CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

The XS Series was designed with performance, serviceability, and reliability in mind. These pumps include max-life bearings, standard JP motors, additional mounting options, mechanical and packing seals, casing jack-out holes, and enclosed hydraulically balanced impellers for exceptional performance and low NPSH qualities.



FEATURES

- Volute: Heavy-duty cast iron construction; back pullout design; can be rotated for ease of installation, 6 x 8-13 utilize split volutes for reduction in radial bearing load
- Impeller: Enclosed design for high efficiency; hydraulically balanced for reduced bearing load, cast iron on 9", SS on 13"
- Seal: Packed box with lantern ring or mechanical seal with carbon/ceramic faces; nitrile elastomers; 300 series stainless steel components
- Motor: 1800 rpm, JP standard frame; available in ODP or TEFC enclosures
- Mounting: Can be mounted in vertical or horizontal positions
- Replaceable shaft sleeve
- Casing jack-out holes for ease of service
- Two-piece stainless steel packing gland

SPECIFICATIONS

- Capacities to 2000 gpm
- Heads to 180 feet
- 250 psi working pressure
- 212 °F maximum temperature
- Clockwise rotation when viewed from motor end

CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

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CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

MODEL NOMENCLATURE

7 XS 4 3 9 - C C M HGC S

S = Single Phase
5 = 575V

Impeller Trim

HGC = 7.63"	LCF = 10.25"	MJJ = 11.88"
JDJ = 8.83"	LHF = 10.75"	NCF = 12.25"
KAA = 9.00"	LJJ = 10.88"	NDB = 12.31"
KBD = 9.13"	MBD = 11.13"	NFA = 12.50"
KDJ = 9.38"	MDJ = 11.38"	NHF = 12.75"
KFA = 9.50"	MGD = 11.63"	PAA = 13.00"
LAA = 10.00"	MHF = 11.75"	PAG = 13.06"

Seal Construction
M = Mechanical Seal
P = Packing Seal

Motor Enclosure
C = Open Drip Proof
T = TEFC

C = Close-Coupled

Nominal Impeller Diameter

9 = 9"	13 = 13"

Discharge Size

3 = 3"	4 = 4"	6 = 6"

Suction Size

4 = 4"	6 = 6"	8 = 8"

Pump Series: XS

Motor HP

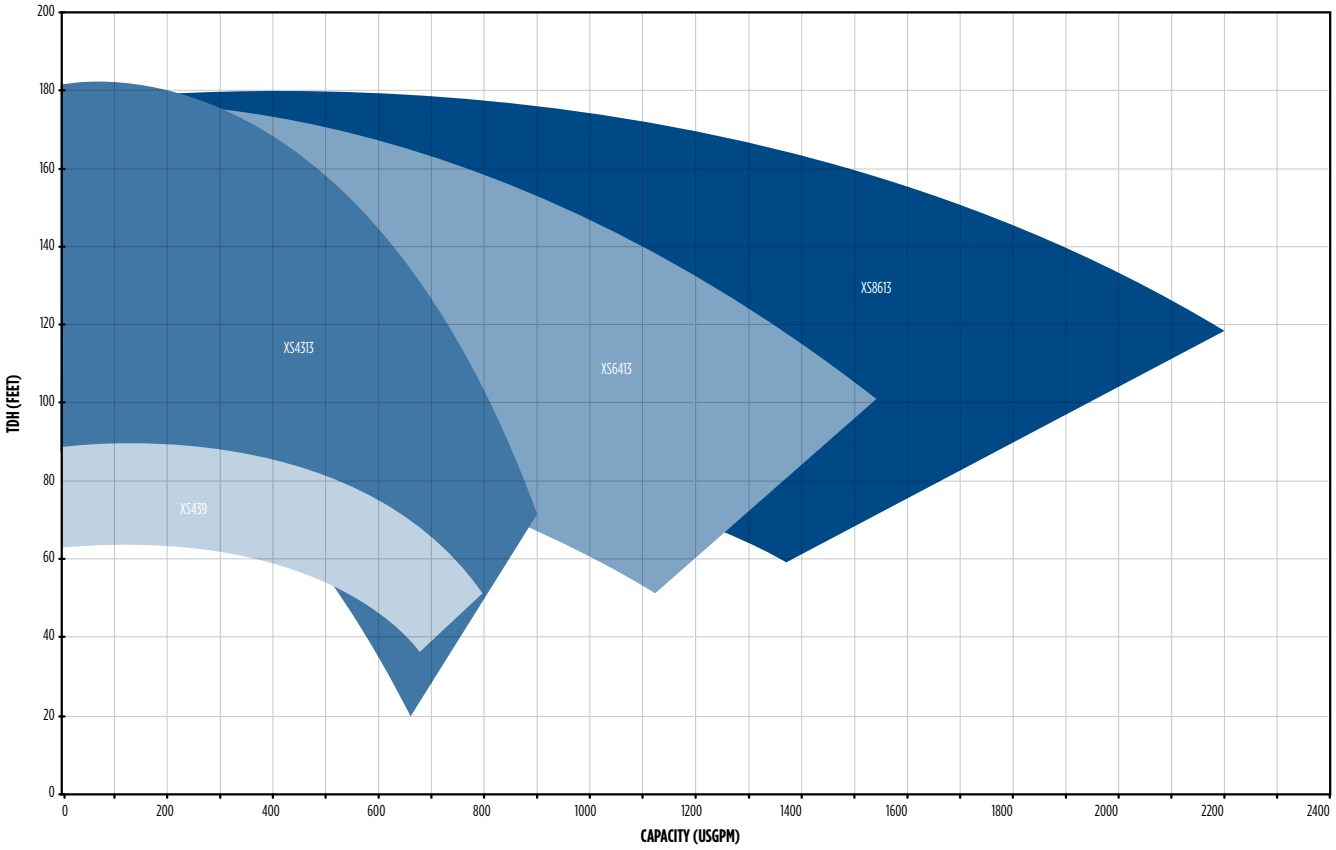
7 = 7.5HP	30 = 30HP
10 = 10HP	40 = 40HP
15 = 15HP	50 = 50 HP
20 = 20HP	40 = 40HP
25 = 25HP	60 = 60HP
	75 = 75HP

CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

PERFORMANCE RANGE

1800 RPM



PUMP ENERGY INDEX

AG Series	Basic Model	PEI_{CL} Number
1800 rpm	XS439	0.94
	XS4313	0.94
	XS6413	0.94
	XS8613	0.96

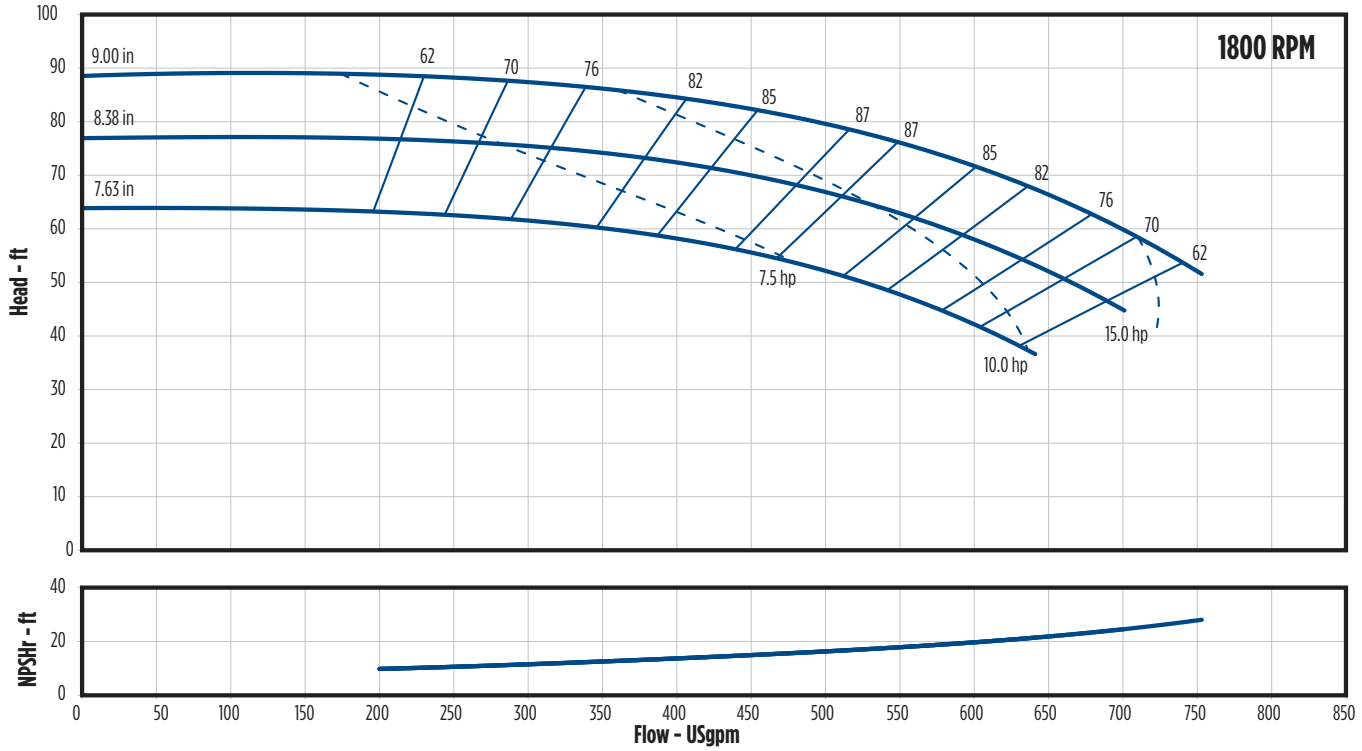
CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

PERFORMANCE

XS 3 X 4 - 9

Basic Model	PEI_{CL} Number
XS439	0.94



ORDER INFO

XS 3 X 4 - 9

XS3x4-9	1800 RPM										
Connection	Seal	Encl	PH	Voltage	HP	Motor Frame	Motor Fit Code	Imp Trim	Order No	Description	Wt
NPT	MECHANICAL	ODP	1	230	7.5	215JP	JP-2	7.63	74040309100	7XS439-CCMHGC-S	245
					10.0	215JP	JP-2	8.38	74040309110	10XS439-CCMJDJ-S	240
			3	230/460	7.5	213JP	JP-2	7.63	71040309100	7XS439-CCMHGC	230
					10.0	215JP	JP-2	8.38	71040309110	10XS439-CCMJDJ	238
					15.0	254JP	JP-2	9.00	71040309120	15XS439-CCMKAA	350
		TEFC	1	230	7.5	215JP	JP-2	7.63	73040309100	7XS439-CTMHGC-S	229
					10.0	215JP	JP-2	8.38	75040309110	10XS439-CTMJDJ-S	240
			3	230/460	7.5	213JP	JP-2	7.63	73040309100	7XS439-CTMHGC	229
					10.0	215JP	JP-2	8.38	73040309110	10XS439-CTMJDJ	265
					15.0	254JP	JP-2	9.00	73040309120	15XS439-CTMKAA	368
				575	7.5	215JP	JP-2	7.63	73040309100-5	7XS439-CTMHGC-5	220
					10.0	215JP	JP-2	8.38	73040309110-5	10XS439-CTMJDJ-5	310
					15.0	254JP	JP-2	9.00	73040309120-5	15XS439-CTMKAA-5	500
	PACKING	ODP	1	230	7.5	215JP	JP-2	7.63	74040309105	7XS439-CCPHGC-S	222
					10.0	215JP	JP-2	8.38	74040309115	10XS439-CCPJDJ-S	242
			3	230/460	7.5	213JP	JP-2	7.63	70040309105	7XS439-CCPHGC	232
					10.0	215JP	JP-2	8.38	70040309115	10XS439-CCPJDJ	240
					15.0	254JP	JP-2	9.00	70040309125	15XS439-CCPKAA	352
		TEFC	3	230/460	7.5	213JP	JP-2	7.63	72040309105	7XS439-CTPHGC	229
					10.0	215JP	JP-2	8.38	72040309115	10XS439-CTPJDJ	265
					15.0	254JP	JP-2	9.00	72040309125	15XS439-CTPKAA	368

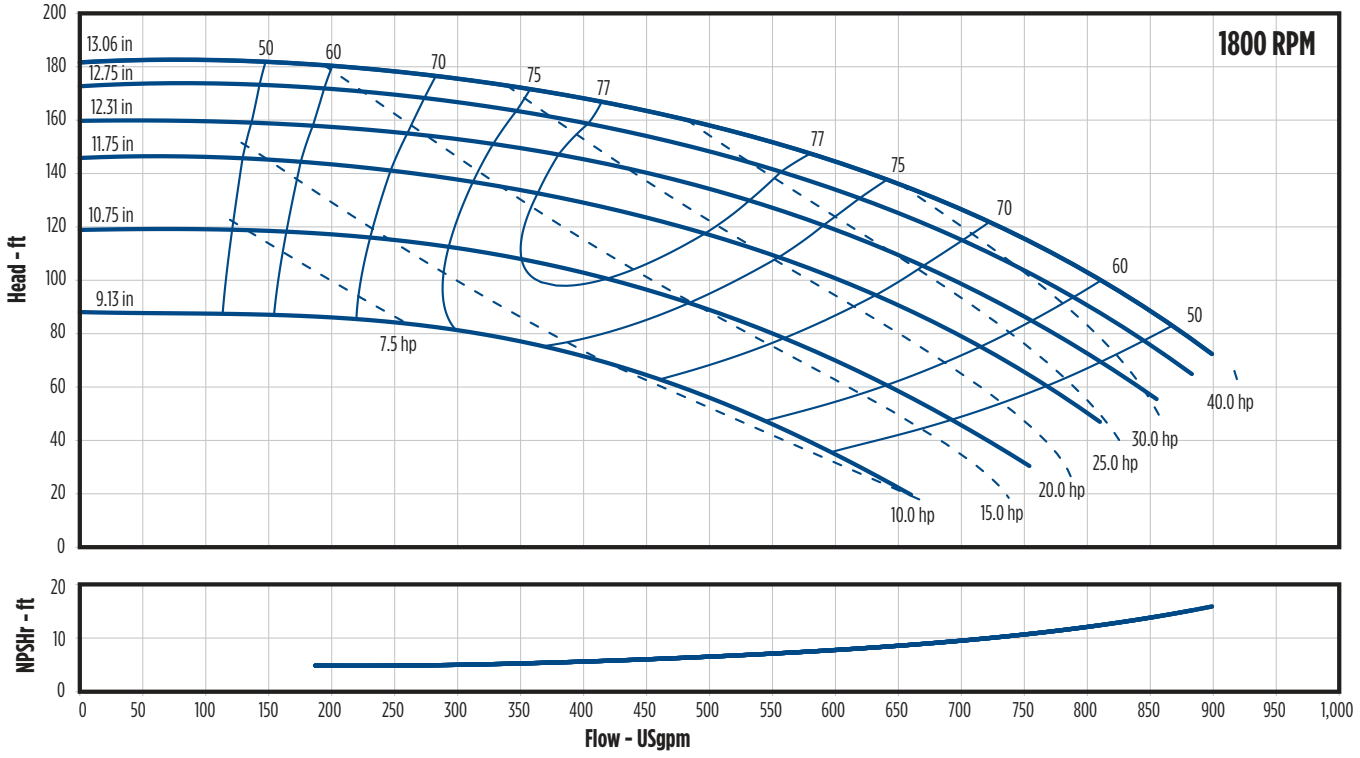
CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

PERFORMANCE

XS 3 X 4 - 13

Basic Model	PEI_{CL} Number
XS4313	0.94



CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

ORDER INFO

XS 3 X 4 - 13

XS3x4-13 H	1800 RPM										
Connection	Seal	Encl	PH	Voltage	HP	Motor Frame	Motor Fit Code	Imp Trim	Order No	Description	Wt
FLANGED	MECHANICAL	ODP	1	230	10	215JP	JP-2	9.13	74040313101	10XS4313-CCMKBD-S	367
			3	230/460	10	215JP	JP-2	9.13	71040313101	10XS4313-CCMKBD	363
					15	254JP	JP-2	10.75	71040313111	15XS4313-CCMLHF	475
					20	256JP	JP-2	11.75	71040313121	20XS4313-CCMMHF	461
					25	284JP	JP-3	12.31	71040313131	25XS4313-CCMNDB	560
					30	286JP	JP-3	12.75	71040313141	30XS4313-CCMNHF	593
					40	324JP	JP-3	13.06	71040313151	40XS4313-CCMPAG	601
		TEFC	3	230/460	10	215JP	JP-2	9.13	73040313101	10XS4313-CTMKBD	390
					15	254JP	JP-2	10.75	73040313111	15XS4313-CTMLHF	493
					20	256JP	JP-2	11.75	73040313121	20XS4313-CTMMHF	525
					25	284JP	JP-3	12.31	73040313131	25XS4313-CTMNDB	635
					30	286JP	JP-3	12.75	73040313141	30XS4313-CTMNHF	675
					40	324JP	JP-3	13.06	73040313151	40XS4313-CTMPAG	825
				575	10	254JP	JP-2	9.13	73040313101-5	10XS4313-CTMKBD-5	435
					15	256JP	JP-2	10.75	73040313111-5	15XS4313-CTMLHF-5	625
					20	256JP	JP-2	11.75	73040313121-5	20XS4313-CTMMHF-5	680
					25	284JP	JP-3	12.31	73040313131-5	25XS4313-CTMNDB-5	798
					30	286JP	JP-3	12.75	73040313141-5	30XS4313-CTMNHF-5	823
					40	324JP	JP-3	13.06	73040313151-5	40XS4313-CTMPAG-5	873
	PACKING	ODP	3	230/460	10	215JP	JP-2	9.13	70040313100	10XS4313-CCPKBD	366
					15	254JP	JP-2	10.75	70040313110	15XS4313-CCPLHF	478
					20	256JP	JP-2	11.75	70040313120	20XS4313-CCPMHF	464
					25	284JP	JP-3	12.31	70040313130	25XS4313-CCPNDB	560
					30	286JP	JP-3	12.75	70040313140	30XS4313-CCPNHF	595
					40	324JP	JP-3	13.06	70040313150	40XS4313-CCPPAG	603
		TEFC	3	230/460	10	215JP	JP-2	9.13	72040313100	10XS4313-CTPKBD	393
					15	254JP	JP-2	10.75	72040313110	15XS4313-CTPLHF	496
					20	256JP	JP-2	11.75	72040313120	20XS4313-CTPMHF	528
					25	284JP	JP-3	12.31	72040313130	25XS4313-CTPNBD	637
					30	286JP	JP-3	12.75	72040313140	30XS4313-CTPNHF	677
					40	324JP	JP-3	13.06	72040313150	40XS4313-CTPPAG	827

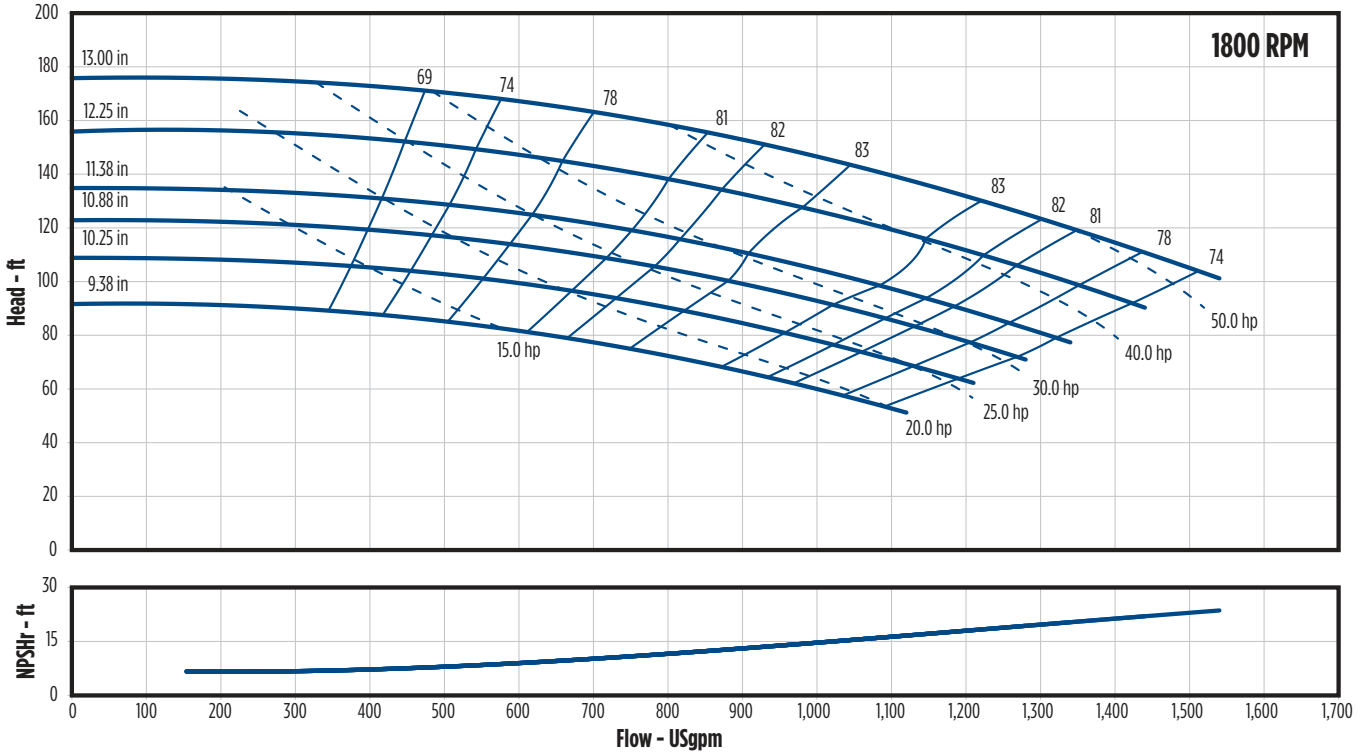
CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

PERFORMANCE

XS 4 X 6 - 13H

Basic Model	PEI_{CL} Number
XS6413	0.94



CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

ORDER INFO

XS 4 X 6 - 13H

XS4x6-13H	1800 RPM										
Connection	Seal	Encl	PH	Voltage	HP	Motor Frame	Motor Fit Code	Imp Trim	Order No	Description	Wt
FLANGED	MECHANICAL	ODP	3	230/460	20	256JP	JP-2	9.38	71060413103	20XS6413H-CCMKDJ	505
					25	284JP	JP-3	10.25	71060413113	25XS6413H-CCMLCF	601
					30	286JP	JP-3	10.88	71060413125	30XS6413H-CCMLJJ	636
					30	286JP	JP-3	11.38	71060413127	30XS6413H-CCMMDJ	636
					40	324JP	JP-3	12.25	71060413133	40XS6413H-CCMNCF	644
					50	326JP	JP-3	13.00	71060413143	50XS6413H-CCMPAA	266
		TEFC	3	230/460	20	256JP	JP-2	9.38	73060413103	20XS6413H-CTMKDJ	569
					25	284JP	JP-3	10.25	73060413113	25XS6413H-CTMLCF	678
					30	286JP	JP-3	10.88	73060413125	30XS6413H-CTMLJJ	718
					30	286JP	JP-3	11.38	73060413127	30XS6413H-CTMMDJ	718
					40	324JP	JP-3	12.25	73060413133	40XS6413H-CTMNCF	868
					50	326JP	JP-3	13.00	73060413143	50XS6413H-CTMPAA	912
				575	20	256JP	JP-2	9.38	73060413103-5	20XS6413H-CTMKDJ-5	724
					25	284JP	JP-3	10.25	73060413113-5	25XS6413H-CTMLCF-5	841
					30	286JP	JP-3	10.88	73060413125-5	30XS6413H-CTMLJJ-5	866
					30	286JP	JP-3	11.38	73060413127-5	30XS6413H-CTMMDJ-5	866
					40	324JP	JP-3	12.25	73060413133-5	40XS6413H-CTMNCF-5	916
					50	326JP	JP-3	13.00	73060413143-5	50XS6413H-CTMPAA-5	1041
	PACKING	ODP	3	230/460	20	256JP	JP-2	9.38	70060413102	20XS6413H-CCPKDJ	507
					25	284JP	JP-3	10.25	70060413112	25XS6413H-CCPLCF	603
					30	286JP	JP-3	10.88	70060413124	30XS6413H-CCPLJJ	638
					30	286JP	JP-3	11.38	70060413126	30XS6413H-CCPMDJ	638
					40	324JP	JP-3	12.25	70060413132	40XS6413H-CCPNCF	646
					50	326JP	JP-3	13.00	70060413142	50XS6413H-CCPPAA	268
		TEFC	3	230/460	20	256JP	JP-2	9.38	72060413102	20XS6413H-CTPKDJ	571
					25	284JP	JP-3	10.25	72060413112	25XS6413H-CTPLCF	680
					30	286JP	JP-3	10.88	72060413124	30XS6413H-CTPLJJ	720
					30	286JP	JP-3	11.38	72060413126	30XS6413H-CTPMDJ	720
					40	324JP	JP-3	12.25	72060413132	40XS6413H-CTPNCF	870
					50	326JP	JP-3	13.00	72060413142	50XS6413H-CTPPAA	914

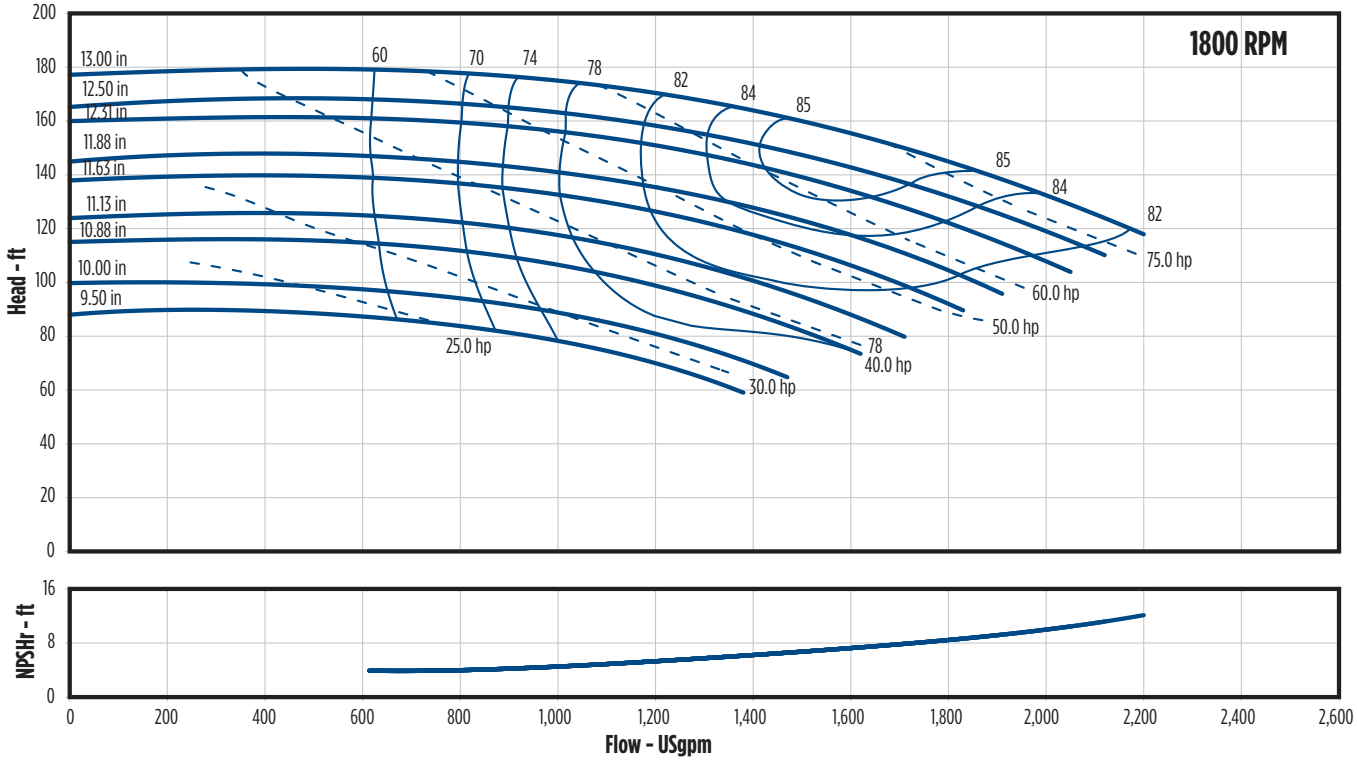
CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

PERFORMANCE

XS 6 X 8 - 13

Basic Model	PEI_{CL} Number
XS8613	0.96



CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

ORDER INFO

XS 6 X 8 - 13

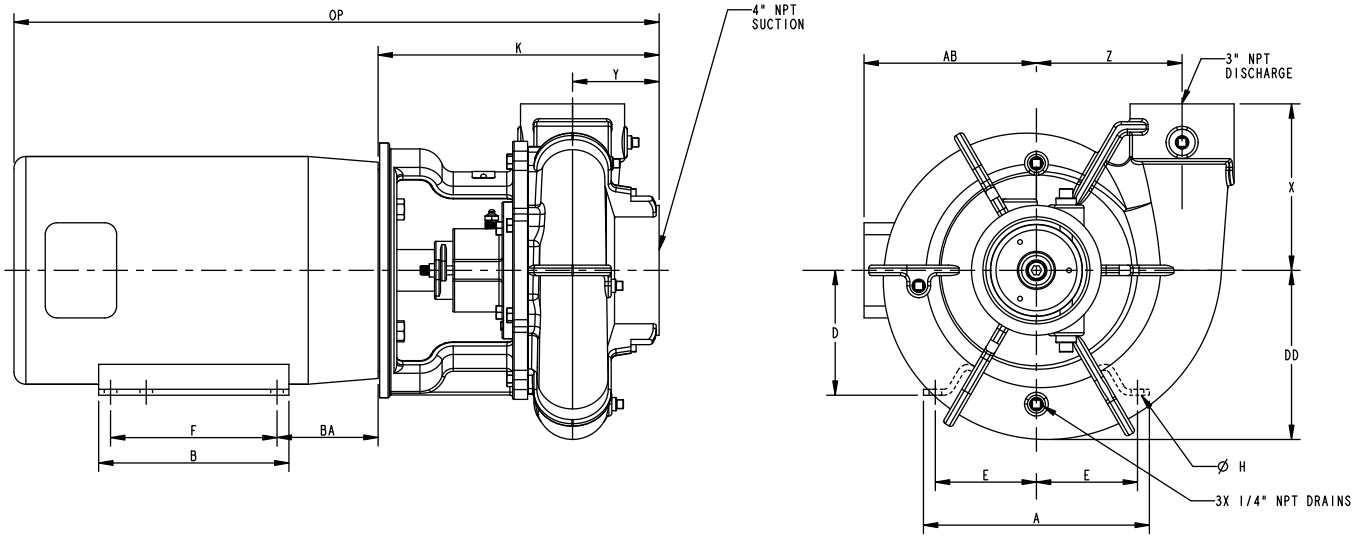
XS6x8-13	1800 RPM										
Connection	Seal	Encl	PH	Voltage	HP	Motor Frame	Motor Fit Code	Imp Trim	Order No	Description	Wt
FLANGED	MECHANICAL	ODP	3	230/460	25	284JP	JP-3	9.50	71080613151	25XS8613-CCMKFA	764
					30	286JP	JP-3	10.00	71080613101	30XS8613-CCMLAA	799
					40	324JP	JP-3	10.88	71080613111	40XS8613-CCMLJJ	807
					40	324JP	JP-3	11.13	71080613113	40XS8613-CCMMBD	807
					50	326JP	JP-3	11.63	71080613121	50XS8613-CCMMGD	929
					60	364JP	JP-4	11.88	71080613131	60XS8613-CCMMJJ	993
					60	364JP	JP-4	12.31	71080613133	60XS8613-CCMNDB	993
					75	365JP	JP-4	12.50	71080613141	75XS8613-CCMNFA	1188
					75	365JP	JP-4	13.00	71080613143	75XS8613-CCMPAA	1188
		TEFC	3	230/460	25	284JP	JP-3	9.50	73080613151	25XS8613-CTMKFA	841
					30	286JP	JP-3	10.00	73080613101	30XS8613-CTMLAA	881
					40	324JP	JP-3	10.88	73080613111	40XS8613-CTMLJJ	1031
					40	324JP	JP-3	11.13	73080613113	40XS8613-CTMMBD	1031
					50	326JP	JP-3	11.63	73080613121	50XS8613-CTMMGD	1075
					60	364JP	JP-4	11.88	73080613131	60XS8613-CTMMJJ	1006
					60	364JP	JP-4	12.31	73080613133	60XS8613-CTMNDB	1006
				460	75	365JP	JP-4	12.50	73080613141	75XS8613-CTMNFA	1236
					75	365JP	JP-4	13.00	73080613143	75XS8613-CTMPAA	1236
				575	25	284JP	JP-3	9.50	73080613151-5	25XS8613-CTMKFA-5	1004
					30	286JP	JP-3	10.00	73080613101-5	30XS8613-CTMLAA-5	1029
					40	324JP	JP-3	10.88	73080613111-5	40XS8613-CTMLJJ-5	1079
					40	324JP	JP-3	11.13	73080613113-5	40XS8613-CTMMBD-5	1079
					50	326JP	JP-3	11.63	73080613121-5	50XS8613-CTMMGD-5	1204
					60	364JP	JP-4	11.88	73080613131-5	60XS8613-CTMMJJ-5	1297
					60	364JP	JP-4	12.31	73080613133-5	60XS8613-CTMNDB-5	1297
					75	365JP	JP-4	12.50	73080613141-5	75XS8613-CTMNFA-5	1347
					75	365JP	JP-4	13	73080613143-5	75XS8613-CTMPAA-5	1347
	PACKING	ODP	3	230/460	25	284JP	JP-3	9.50	70080613150	25XS8613-CCPKFA	766
					30	286JP	JP-3	10.00	70080613100	30XS8613-CCPLAA	801
					40	324JP	JP-3	10.88	70080613110	40XS8613-CCPLJJ	809
					40	324JP	JP-3	11.13	70080613112	40XS8613-CCPMBD	809
					50	326JP	JP-3	11.63	70080613120	50XS8613-CCPMGD	931
					60	364JP	JP-4	11.88	70080613130	60XS8613-CCPMJJ	995
					60	364JP	JP-4	12.31	70080613132	60XS8613-CCPNDB	995
					75	365JP	JP-4	12.50	70080613140	75XS8613-CCPNFA	1190
					75	365JP	JP-4	13.00	70080613142	75XS8613-CCPPAA	1190
		TEFC	3	230/460	25	284JP	JP-3	9.50	72080613150	25XS8613-CTPKFA	843
					30	286JP	JP-3	10.00	72080613100	30XS8613-CTPLAA	883
					40	324JP	JP-3	10.88	72080613110	40XS8613-CTPLJJ	1033
					40	324JP	JP-3	11.13	72080613112	40XS8613-CTPMBD	1033
					50	326JP	JP-3	11.63	72080613120	50XS8613-CTPMGD	1077
					60	364JP	JP-4	11.88	72080613130	60XS8613-CTPMJJ	1008
					60	364JP	JP-4	12.31	72080613132	60XS8613-CTPNBD	1008
				460	75	365JP	JP-4	12.50	72080613140	75XS8613-CTPNFA	1238
					75	365JP	JP-4	13.00	72080613142	75XS8613-CTPPAA	1238

CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

DIMENSIONS

XS 3 X 4 - 9



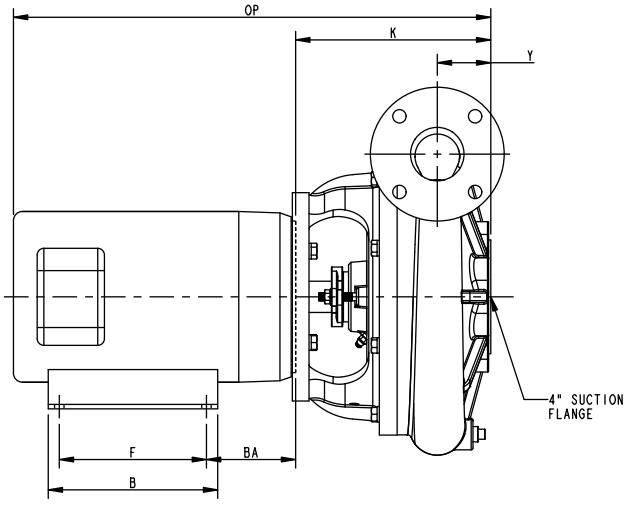
Series	RPM	SEAL	ENCL	PH	Volts	HP	Frame	Order Number	Model Number	A	B	D	E	F	H	K	X	Y	Z	DD	DD1	DD3	AB	BA	OP
3 X 4 - 9	1800	MECH	ODP	1	230	7.5	215JP	74040309100	7XS439-CCMHGC-S	9.50	8.00	5.25	4.25	5.50/7.00	0.43	11.57	7.00	3.64	6.13	7.10	N/A	N/A	7.93	4.50	26.63
						10.0	215JP	74040309110	10XS439-CCMJDJ-S	9.50	8.00	5.25	4.25	5.50/7.00	0.41	11.57	7.00	3.64	6.13	7.10	N/A	N/A	9.13	4.50	24.39
				3	230/460	7.5	213JP	71040309100	7XS439-CCMHGC	9.50	8.00	5.25	4.25	5.50/7.00	0.43	11.57	7.00	3.64	6.13	7.10	N/A	N/A	7.97	4.25	21.63
						10.0	215JP	71040309110	10XS439-CCMJDJ	9.50	8.00	5.25	4.25	5.50/7.00	0.43	11.57	7.00	3.64	6.13	7.10	N/A	N/A	7.97	4.25	26.64
						15.0	254JP	71040309120	15XS439-CCMKAA	11.25	11.25	6.25	5.00	8.25/10.00	0.53	11.57	7.00	3.64	6.13	7.10	N/A	N/A	9.49	4.75	29.50
			TEFC	1	230	7.5	215JP	75040309100	7XS439-CTMHGC-S	9.50	8.88	5.25	4.25	7.00	0.44	11.57	7.00	3.64	6.13	7.10	N/A	N/A	9.44	4.50	29.63
						10.0	215JP	75040309110	10XS439-CTMJDJ-S	9.50	8.88	5.25	4.25	7.00	0.44	11.57	7.00	3.64	6.13	7.10	N/A	N/A	9.44	4.50	29.63
				3	230/460	7.5	213JP	73040309100	7XS439-CTMHGC	9.50	8.00	5.25	4.25	5.50/7.00	0.41	11.57	7.00	3.64	6.13	7.10	N/A	N/A	8.04	4.50	28.23
						10.0	215JP	73040309110	10XS439-CTMJDJ	9.50	8.00	5.25	4.25	5.50/7.00	0.41	11.57	7.00	3.64	6.13	7.10	N/A	N/A	8.04	4.50	29.73
						15.0	254JP	73040309120	15XS439-CTMKAA	11.50	11.50	6.25	5.00	8.25/10.00	0.53	11.57	7.00	3.64	6.13	7.10	N/A	N/A	10.04	4.75	20.03
					575	7.5	215JP	73040309100-5	7XS439-CTMHGC-5	9.45	7.95	5.25	4.25	5.50/7.00	0.41	11.57	7.00	3.64	6.13	7.10	N/A	N/A	7.97	4.25	27.34
						10.0	215JP	73040309110-5	10XS439-CTMJDJ-5	9.50	8.00	5.25	4.25	5.50/7.00	0.41	11.57	7.00	3.64	6.13	7.10	N/A	N/A	7.74	4.25	29.07
						15.0	254JP	73040309120-5	15XS439-CTMKAA-5	12.40	9.60	6.25	5.00	8.50	0.53	11.57	7.00	3.64	6.13	7.10	N/A	N/A	10.45	4.75	32.47
		PACK	ODP	1	230	7.5	215JP	74040309105	7XS439-CCPHGC-S	9.50	8.00	5.25	4.25	5.50/7.00	0.43	11.57	7.00	3.64	6.13	7.10	N/A	N/A	7.93	4.50	26.63
						10.0	215JP	74040309115	10XS439-CCPJDJ-S	9.50	8.00	5.25	4.25	5.50/7.00	0.41	11.57	7.00	3.64	6.13	7.10	N/A	N/A	9.13	4.50	24.39
				3	230/460	7.5	213JP	70040309105	7XS439-CCPHGC	9.50	8.00	5.25	4.25	5.50/7.00	0.43	11.57	7.00	3.64	6.13	7.10	N/A	N/A	7.97	4.25	21.63
						10.0	215JP	70040309115	10XS439-CCPJDJ	9.50	8.00	5.25	4.25	5.50/7.00	0.43	11.57	7.00	3.64	6.13	7.10	N/A	N/A	7.97	4.25	26.64
						15.0	254JP	70040309125	15XS439-CCPKAA	11.25	11.25	6.25	5.00	8.25/10.00	0.53	11.57	7.00	3.64	6.13	7.10	N/A	N/A	9.49	4.75	29.50
			TEFC	3	230/460	7.5	213JP	72040309105	7XS439-CTPHGC	9.50	8.00	5.25	4.25	5.50/7.00	0.41	11.57	7.00	3.64	6.13	7.10	N/A	N/A	8.04	4.50	28.23
						10.0	215JP	72040309115	10XS439-CTPJDJ	9.50	8.00	5.25	4.25	5.50/7.00	0.41	11.57	7.00	3.64	6.13	7.10	N/A	N/A	8.04	4.50	29.73
						15.0	254JP	72040309125	15XS439-CTPKAA	11.50	11.50	6.25	5.00	8.25/10.00	0.53	11.57	7.00	3.64	6.13	7.10	N/A	N/A	10.04	4.75	31.60

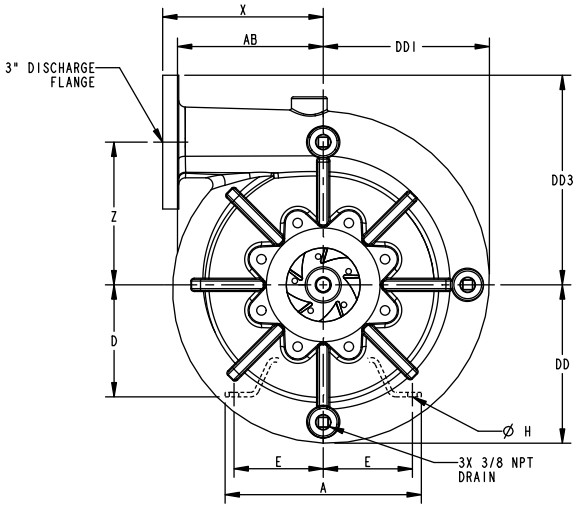
CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

DIMENSIONS

XS 3 X 4 - 13



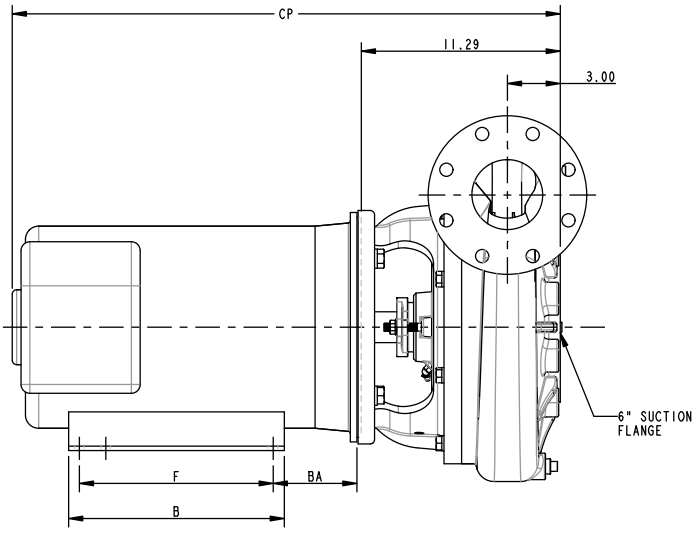


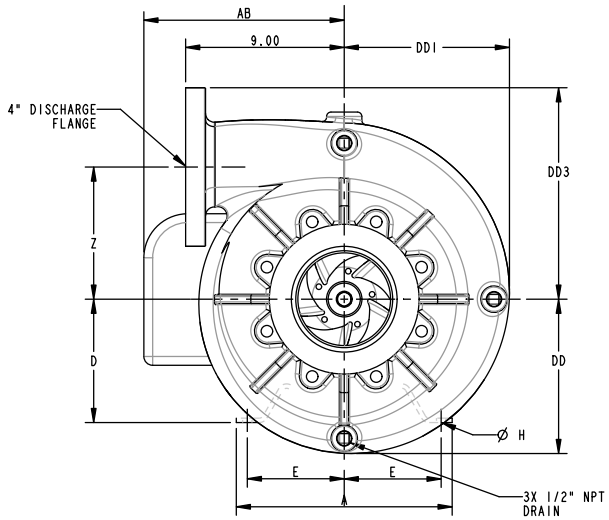
Series	RPM	SEAL	ENCL	PH	Volts	HP	Frame	Order Number	Model Number	A	B	D	E	F	H	K	X	Y	Z	DD	DD1	DD3	AB	BA	OP
3 X 4 - 13	1800	MECH	ODP	1	230	10	215JP	74040313101	10XS4313-CCMKBD-S	9.50	8.00	5.25	4.25	5.50/7.00	0.41	10.94	9.00	3.00	8.00	8.75	9.31	11.75	9.13	4.50	23.73
				3	230/460	10	215JP	71040313101	10XS4313-CCMKBD	9.50	8.00	5.25	4.25	5.50/7.00	0.43	10.94	9.00	3.00	8.00	8.75	9.31	11.75	7.97	4.25	26.10
						15	254JP	71040313111	15XS4313-CCMLHF	11.25	11.25	6.25	5.00	8.25/10.00	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	9.49	4.75	28.87
						20	256JP	71040313121	20XS4313-CCMMHF	11.25	11.25	6.25	5.00	8.25/10.00	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	9.49	4.75	28.87
						25	284JP	71040313131	25XS4313-CCMNDB	12.25	12.25	7.00	5.50	9.50/11.00	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	12.21	4.75	30.37
						30	286JP	71040313141	30XS4313-CCMNHF	12.25	12.25	7.00	5.50	9.50/11.00	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	12.21	4.75	31.62
						40	324JP	71040313151	40XS4313-CCMPAG	14.25	13.75	8.00	6.25	10.50/12.00	0.66	10.94	9.00	3.00	8.00	8.75	9.31	11.75	12.21	5.26	25.00
			TEFC	3	230/460	10	215JP	73040313101	10XS4313-CTMKBD	9.50	8.00	5.25	4.25	5.50/7.00	0.41	10.94	9.00	3.00	8.00	8.75	9.31	11.75	8.04	4.50	29.10
						15	254JP	73040313111	15XS4313-CTMLHF	11.50	11.50	6.25	5.00	8.25/10.00	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	10.04	4.75	30.97
						20	256JP	73040313121	20XS4313-CTMMHF	11.50	11.50	6.25	5.00	8.25/10.00	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	10.04	4.75	30.97
						25	284JP	73040313131	25XS4313-CTMNDB	12.75	12.84	7.00	5.50	9.50/11.00	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	13.11	4.75	34.32
						30	286JP	73040313141	30XS4313-CTMNHF	12.75	12.84	7.00	5.50	9.50/11.00	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	13.11	4.75	34.32
						40	324JP	73040313151	40XS4313-CTMPAG	14.50	14.00	8.00	6.25	10.50/12.00	0.66	10.94	9.00	3.00	8.00	8.75	9.31	11.75	14.61	5.25	36.22
					575	10	254JP	73040313101-5	10XS4313-CTMKBD-5	9.50	8.00	5.25	4.25	5.50/7.00	0.41	10.94	9.00	3.00	8.00	8.75	9.31	11.75	7.74	4.25	28.44
						15	256JP	73040313111-5	15XS4313-CTMLHF-5	12.40	9.60	6.25	5.00	8.50	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	10.45	4.75	31.84
						20	256JP	73040313121-5	20XS4313-CTMMHF-5	12.40	11.34	6.25	5.00	8.50/10.00	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	10.45	4.75	33.57
						25	284JP	73040313131-5	25XS4313-CTMNDB-5	13.94	10.82	7.00	5.50	9.50	0.57	10.94	9.00	3.00	8.00	8.75	9.31	11.75	11.32	4.75	33.21
						30	286JP	73040313141-5	30XS4313-CTMNHF-5	13.94	12.68	7.00	5.50	9.50/11.00	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	11.32	4.76	34.71
						40	324JP	73040313151-5	40XS4313-CTMPAG-5	15.67	12.71	8.00	6.25	10.50	0.66	10.94	9.00	3.00	8.00	8.75	9.31	11.75	13.54	5.25	35.63
		PACK	ODP	3	230/460	10	215JP	70040313100	10XS4313-CCPKBD	9.50	8.00	5.25	4.25	5.50/7.00	0.43	10.94	9.00	3.00	8.00	8.75	9.31	11.75	7.97	4.25	26.10
						15	254JP	70040313110	15XS4313-CCPLHF	11.25	11.25	6.25	5.00	8.25/10.00	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	9.49	4.75	28.87
						20	256JP	70040313120	20XS4313-CCPMHF	11.25	11.25	6.25	5.00	8.25/10.00	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	9.49	4.75	28.87
						25	284JP	70040313130	25XS4313-CCPNDB	12.25	12.25	7.00	5.50	9.50/11.00	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	12.21	4.75	30.37
						30	286JP	70040313140	30XS4313-CCPNHF	12.25	12.25	7.00	5.50	9.50/11.00	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	12.21	4.75	31.62
						40	324JP	70040313150	40XS4313-CCPPAG	14.25	13.75	8.00	6.25	10.50/12.00	0.66	10.94	9.00	3.00	8.00	8.75	9.31	11.75	12.21	5.26	25.00
			TEFC	3	230/460	10	215JP	72040313100	10XS4313-CTPKBD	9.50	8.00	5.25	4.25	5.50/7.00	0.41	10.94	9.00	3.00	8.00	8.75	9.31	11.75	8.04	4.50	29.10
						15	254JP	72040313110	15XS4313-CTPLHF	11.50	11.50	6.25	5.00	8.25/10.00	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	10.04	4.75	30.97
						20	256JP	72040313120	20XS4313-CTPMHF	11.50	11.50	6.25	5.00	8.25/10.00	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	10.04	4.75	30.97
						25	284JP	72040313130	25XS4313-CTPNBD	12.75	12.84	7.00	5.50	9.50/11.00	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	13.11	4.75	34.32
						30	286JP	72040313140	30XS4313-CTPNHF	12.75	12.84	7.00	5.50	9.50/11.00	0.53	10.94	9.00	3.00	8.00	8.75	9.31	11.75	13.11	4.75	34.32
						40	324JP	72040313150	40XS4313-CTPPAG	14.50	14.00	8.00	6.25	10.50/12.00	0.66	10.94	9.00	3.00	8.00	8.75	9.31	11.75	14.61	5.25	36.22

CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

DIMENSIONS — XS 4 X 6 - 13H



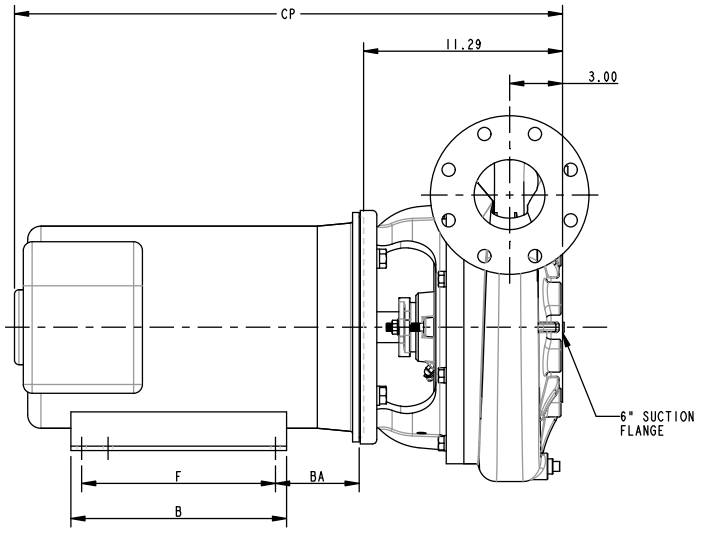


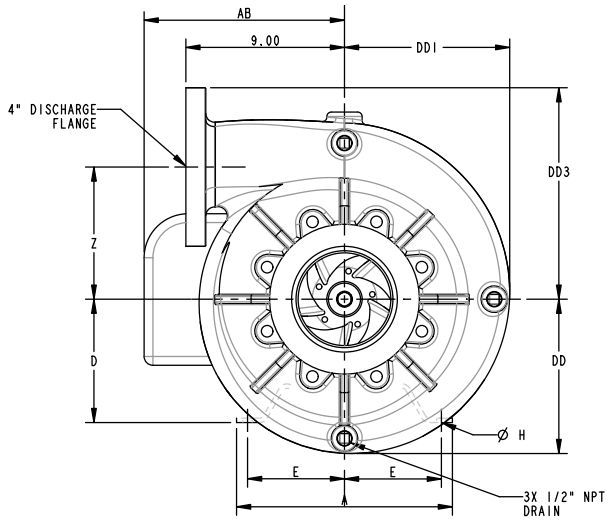
Series	RPM	SEAL	ENCL	PH	Volts	HP	Frame	Order Number	Model Number	A	B	D	E	F	H	K	X	Y	Z	DD	DD1	DD3	AB	BA	OP
4 X 6 -13	1800	MECH	ODP	3	230/460	20	256JP	71060413103	20XS6413H-CCMKDJ	11.25	11.25	6.25	5.00	8.25/10.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	9.49	4.75	29.22
						25	284JP	71060413113	25XS6413H-CCMLCF	12.25	12.25	7.00	5.50	9.50/11.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	12.21	4.75	30.72
						30	286JP	71060413125	30XS6413H-CCMLJJ	12.25	12.25	7.00	5.50	9.50/11.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	12.21	4.75	31.97
						30	286JP	71060413127	30XS6413H-CCMMDJ	12.25	12.25	7.00	5.50	9.50/11.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	12.21	4.75	31.97
						40	324JP	71060413133	40XS6413H-CCMNCF	14.25	13.75	8.00	6.25	10.50/12.00	0.66	11.29	9.00	3.00	7.50	8.76	9.37	12.00	12.21	5.26	25.35
						50	326JP	71060413143	50XS6413H-CCMPAA	10.04	13.50	8.00	6.25	10.50/12.00	0.66	11.29	9.00	3.00	7.50	8.76	9.37	12.00	13.20	5.25	33.97
			TEFC	3	230/460	20	256JP	73060413103	20XS6413H-CTMKDJ	11.50	11.50	6.25	5.00	8.25/10.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	10.04	4.75	31.32
						25	284JP	73060413113	25XS6413H-CTMLCF	12.75	12.84	7.00	5.50	9.50/11.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	13.11	4.75	34.67
						30	286JP	73060413125	30XS6413H-CTMLJJ	12.75	12.84	7.00	5.50	9.50/11.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	13.11	4.75	34.67
						30	286JP	73060413127	30XS6413H-CTMMDJ	12.75	12.84	7.00	5.50	9.50/11.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	13.11	4.75	34.67
						40	324JP	73060413133	40XS6413H-CTMNCF	14.50	14.00	8.00	6.25	10.50/12.00	0.66	11.29	9.00	3.00	7.50	8.76	9.37	12.00	14.61	5.25	36.57
						50	326JP	73060413143	50XS6413H-CTMPAA	14.50	14.00	8.00	6.25	10.50/12.00	0.66	11.29	9.00	3.00	7.50	8.76	9.37	12.00	14.61	5.25	36.57
					575	20	256JP	73060413103-5	20XS6413H-CTMKDJ-5	12.40	11.34	6.25	5.00	8.50/10.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	10.45	4.75	33.92
						25	284JP	73060413113-5	25XS6413H-CTMLCF-5	13.94	10.82	7.00	5.50	9.50	0.57	11.29	9.00	3.00	7.50	8.76	9.37	12.00	11.32	4.75	33.56
						30	286JP	73060413125-5	30XS6413H-CTMLJJ-5	13.94	12.68	7.00	5.50	9.50/11.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	11.32	4.76	35.06
						30	286JP	73060413127-5	30XS6413H-CTMMDJ-5	13.94	12.68	7.00	5.50	9.50/11.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	11.32	4.76	35.06
						40	324JP	73060413133-5	40XS6413H-CTMNCF-5	15.67	12.71	8.00	6.25	10.50	0.66	11.29	9.00	3.00	7.50	8.76	9.37	12.00	13.54	5.25	35.98
						50	326JP	73060413143-5	50XS6413H-CTMPAA-5	15.67	14.21	8.00	6.25	10.50/12.00	0.66	11.29	9.00	3.00	7.50	8.76	9.37	12.00	13.54	5.25	37.47
		PACK	ODP	3	230/460	20	256JP	70060413102	20XS6413H-CCPKDJ	11.25	11.25	6.25	5.00	8.25/10.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	9.49	4.75	29.22
						25	284JP	70060413112	25XS6413H-CCPLCF	12.25	12.25	7.00	5.50	9.50/11.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	12.21	4.75	30.72
						30	286JP	70060413124	30XS6413H-CCPLJJ	12.25	12.25	7.00	5.50	9.50/11.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	12.21	4.75	31.97
						30	286JP	70060413126	30XS6413H-CCPMDJ	12.25	12.25	7.00	5.50	9.50/11.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	12.21	4.75	31.97
						40	324JP	70060413132	40XS6413H-CCPNCF	14.25	13.75	8.00	6.25	10.50/12.00	0.66	11.29	9.00	3.00	7.50	8.76	9.37	12.00	12.21	5.26	25.35
						50	326JP	70060413142	50XS6413H-CCPPAA	10.04	13.50	8.00	6.25	10.50/12.00	0.66	11.29	9.00	3.00	7.50	8.76	9.37	12.00	13.20	5.25	33.97
			TEFC	3	230/460	20	256JP	72060413102	20XS6413H-CTPKDJ	11.50	11.50	6.25	5.00	8.25/10.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	10.04	4.75	31.32
						25	284JP	72060413112	25XS6413H-CTPLCF	12.75	12.84	7.00	5.50	9.50/11.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	13.11	4.75	34.67
						30	286JP	72060413124	30XS6413H-CTPLJJ	12.75	12.84	7.00	5.50	9.50/11.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	13.11	4.75	34.67
						30	286JP	72060413126	30XS6413H-CTPMDJ	12.75	12.84	7.00	5.50	9.50/11.00	0.53	11.29	9.00	3.00	7.50	8.76	9.37	12.00	13.11	4.75	34.67
						40	324JP	72060413132	40XS6413H-CTPNCF	14.50	14.00	8.00	6.25	10.50/12.00	0.66	11.29	9.00	3.00	7.50	8.76	9.37	12.00	14.61	5.25	36.57
						50	326JP	72060413142	50XS6413H-CTPPAA	14.50	14.00	8.00	6.25	10.50/12.00	0.66	11.29	9.00	3.00	7.50	8.76	9.37	12.00	14.61	5.25	36.57

CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

DIMENSIONS — XS 6 X 8 - 13





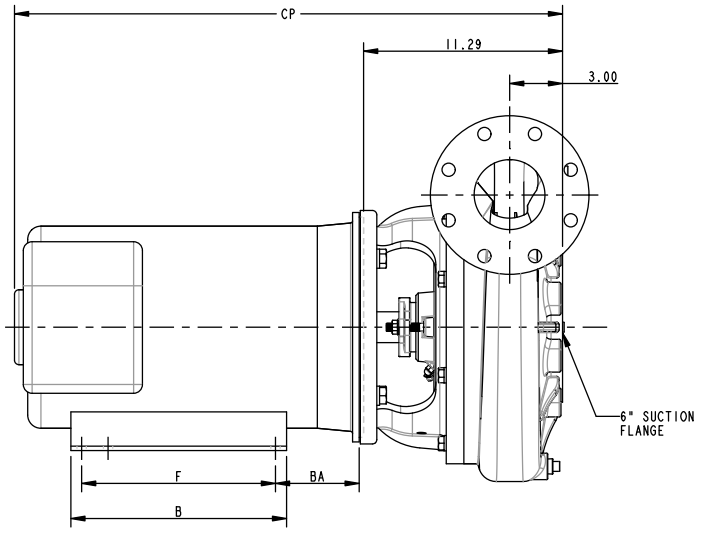
Series	RPM	SEAL	ENCL	PH	Volts	HP	Frame	Order Number	Model Number	A	B	D	E	F	H	K	X	Y	Z	DD	DD1	DD3	AB	BA	OP
6 X 8 - 13	1800	MECH	ODP	3	230/460	25	284JP	71080613151	25XS8613-CCMKFA	12.25	12.25	7.00	5.50	9.50/11.00	0.53	12.49	11.94	4.00	8.74	10.18	12.53	14.25	12.21	4.75	31.92
						30	286JP	71080613101	30XS8613-CCMLAA	12.25	12.25	7.00	5.50	9.50/11.00	0.53	12.49	11.94	4.00	8.74	10.18	12.53	14.25	12.21	4.75	33.17
						40	324JP	71080613111	40XS8613-CCMLJJ	14.25	13.75	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	12.21	5.26	26.55
						40	324JP	71080613113	40XS8613-CCMMBD	14.25	13.75	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	12.21	5.26	26.55
						50	326JP	71080613121	50XS8613-CCMMGD	10.04	13.50	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.20	5.25	35.17
						60	364JP	71080613131	60XS8613-CCMMJJ	15.75	14.00	9.00	7.00	11.25/12.25	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.20	5.88	37.55
						60	364JP	71080613133	60XS8613-CCMNDB	15.75	14.00	9.00	7.00	11.25/12.25	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.20	5.88	37.55
						75	365JP	71080613141	75XS8613-CCMNFA	17.00	14.50	9.00	7.00	11.25/12.25	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.96	5.87	40.58
						75	365JP	71080613143	75XS8613-CCMPAA	17.00	14.50	9.00	7.00	11.25/12.25	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.96	5.87	40.58
			TEFC	3	230/460	25	284JP	73080613151	25XS8613-CTMKFA	12.75	12.84	7.00	5.50	9.50/11.00	0.53	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.11	4.75	35.87
						30	286JP	73080613101	30XS8613-CTMLAA	12.75	12.84	7.00	5.50	9.50/11.00	0.53	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.11	4.75	35.87
						40	324JP	73080613111	40XS8613-CTMLJJ	14.50	14.00	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	14.61	5.25	37.77
						40	324JP	73080613113	40XS8613-CTMMBD	14.50	14.00	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	14.61	5.25	37.77
						50	326JP	73080613121	50XS8613-CTMMGD	14.50	14.00	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	14.61	5.25	37.77
						60	364JP	73080613131	60XS8613-CTMMJJ	17.00	15.00	9.00	7.00	12.25	0.69	12.49	11.94	4.00	8.74	10.18	12.53	14.25	18.06	8.50	40.30
						60	364JP	73080613133	60XS8613-CTMNDB	17.00	15.00	9.00	7.00	12.25	0.69	12.49	11.94	4.00	8.74	10.18	12.53	14.25	18.06	8.50	40.30
					460	75	365JP	73080613141	75XS8613-CTMNFA	17.10	15.01	9.00	7.00	11.25/12.25	0.69	12.49	11.94	4.00	8.74	10.18	12.53	14.25	18.11	5.88	40.66
						75	365JP	73080613143	75XS8613-CTMPAA	17.10	15.01	9.00	7.00	11.25/12.25	0.69	12.49	11.94	4.00	8.74	10.18	12.53	14.25	18.11	5.88	40.66
					575	25	284JP	73080613151-5	25XS8613-CTMKFA-5	13.94	10.82	7.00	5.50	9.50	0.57	12.49	11.94	4.00	8.74	10.18	12.53	14.25	11.32	4.75	34.76
						30	286JP	73080613101-5	30XS8613-CTMLAA-5	13.94	12.68	7.00	5.50	9.50/11.00	0.53	12.49	11.94	4.00	8.74	10.18	12.53	14.25	11.32	4.76	36.26
						40	324JP	73080613111-5	40XS8613-CTMLJJ-5	15.67	12.71	8.00	6.25	10.50	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.54	5.25	37.18
						40	324JP	73080613113-5	40XS8613-CTMMBD-5	15.67	12.71	8.00	6.25	10.50	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.54	5.25	37.18
						50	326JP	73080613121-5	50XS8613-CTMMGD-5	15.67	14.21	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.54	5.25	38.67
						60	364JP	73080613131-5	60XS8613-CTMMJJ-5	17.17	16.22	9.00	7.00	11.26/12.24	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	16.02	5.88	40.28
						60	364JP	73080613133-5	60XS8613-CTMNDB-5	17.17	16.22	9.00	7.00	11.26/12.24	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	16.02	5.88	40.28
						75	365JP	73080613141-5	75XS8613-CTMNFA-5	17.17	16.22	9.00	7.00	11.26/12.24	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	16.02	5.88	40.28
						75	365JP	73080613143-5	75XS8613-CTMPAA-5	17.17	16.22	9.00	7.00	11.26/12.24	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	16.02	5.88	40.28

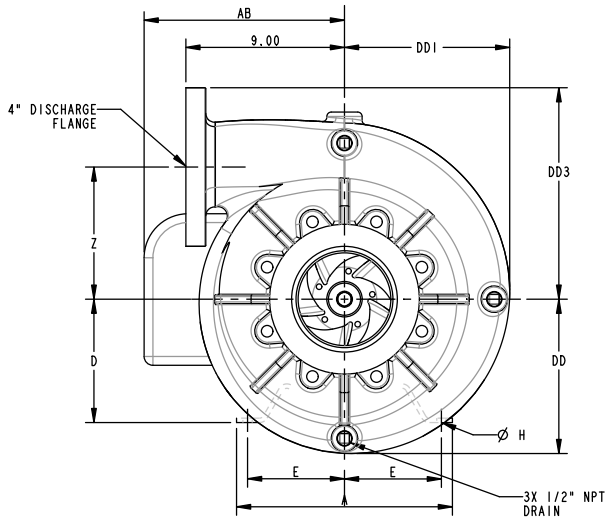
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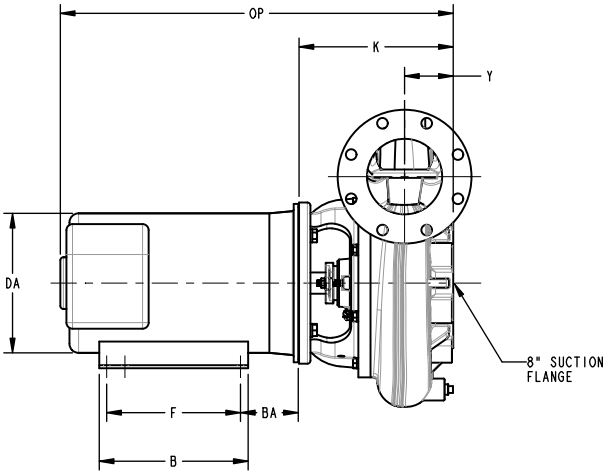
Series	RPM	SEAL	ENCL	PH	Volts	HP	Frame	Order Number	Model Number	A	B	D	E	F	H	K	X	Y	Z	DD	DD1	DD3	AB	BA	OP
6 X 8 - 13	1800	PACK	ODP	3	230/460	25	284JP	70080613150	25XS8613-CCPKFA	12.25	12.25	7.00	5.50	9.50/11.00	0.53	12.49	11.94	4.00	8.74	10.18	12.53	14.25	12.21	4.75	31.92
						30	286JP	70080613100	30XS8613-CCPLAA	12.25	12.25	7.00	5.50	9.50/11.00	0.53	12.49	11.94	4.00	8.74	10.18	12.53	14.25	12.21	4.75	33.17
						40	324JP	70080613110	40XS8613-CCPLJJ	14.25	13.75	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	12.21	5.26	26.55
						40	324JP	70080613112	40XS8613-CCPMBD	14.25	13.75	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	12.21	5.26	26.55
						50	326JP	70080613120	50XS8613-CCPMGD	10.04	13.50	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.20	5.25	35.17
						60	364JP	70080613130	60XS8613-CCPMJJ	15.75	14.00	9.00	7.00	11.25/12.25	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.20	5.88	37.55
						60	364JP	70080613132	60XS8613-CCPNDB	15.75	14.00	9.00	7.00	11.25/12.25	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.20	5.88	37.55
						75	365JP	70080613140	75XS8613-CCPNFA	17.00	14.50	9.00	7.00	11.25/12.25	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.96	5.87	40.58
						75	365JP	70080613142	75XS8613-CCPPAA	17.00	14.50	9.00	7.00	11.25/12.25	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.96	5.87	40.58
			TEFC	3	230/460	25	284JP	72080613150	25XS8613-CTPKFA	12.75	12.84	7.00	5.50	9.50/11.00	0.53	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.11	4.75	35.87
						30	286JP	72080613100	30XS8613-CTPLAA	12.75	12.84	7.00	5.50	9.50/11.00	0.53	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.11	4.75	35.87
						40	324JP	72080613110	40XS8613-CTPLJJ	14.50	14.00	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	14.61	5.25	37.77
						40	324JP	72080613112	40XS8613-CTPMBD	14.50	14.00	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	14.61	5.25	37.77
						50	326JP	72080613120	50XS8613-CTPMGD	14.50	14.00	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	14.61	5.25	37.77
						60	364JP	72080613130	60XS8613-CTPMJJ	17.00	15.00	9.00	7.00	12.25	0.69	12.49	11.94	4.00	8.74	10.18	12.53	14.25	18.06	8.50	40.30
						60	364JP	72080613132	60XS8613-CTPNBD	17.00	15.00	9.00	7.00	12.25	0.69	12.49	11.94	4.00	8.74	10.18	12.53	14.25	18.06	8.50	40.30
					460	75	365JP	72080613140	75XS8613-CTPNFA	17.10	15.01	9.00	7.00	11.25/12.25	0.69	12.49	11.94	4.00	8.74	10.18	12.53	14.25	18.11	5.88	40.66
						75	365JP	72080613142	75XS8613-CTPPAA	17.10	15.01	9.00	7.00	11.25/12.25	0.69	12.49	11.94	4.00	8.74	10.18	12.53	14.25	18.11	5.88	40.66

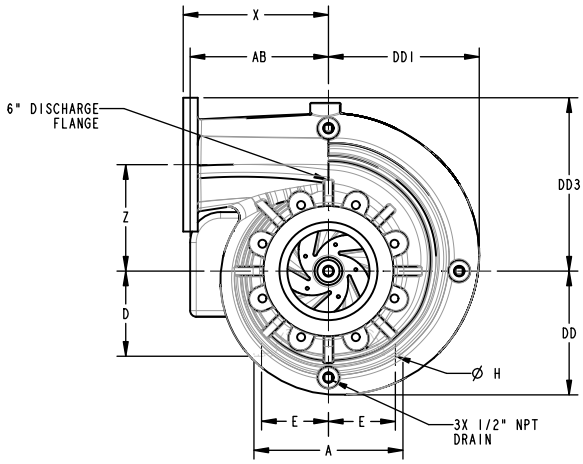
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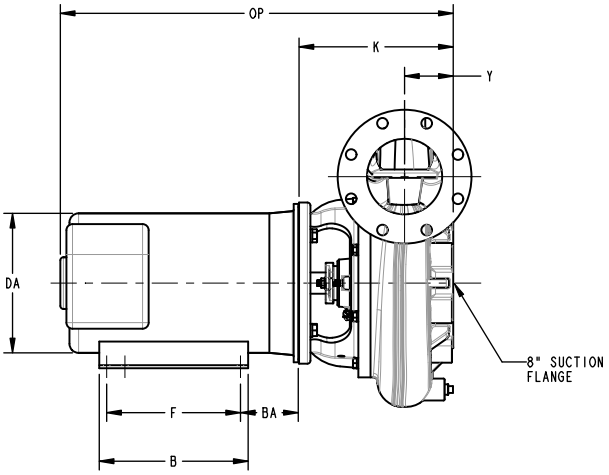
Series	RPM	SEAL	ENCL	PH	Volts	HP	Frame	Order Number	Model Number	A	B	D	E	F	H	K	X	Y	Z	DD	DD1	DD3	AB	BA	OP
6 X 8 - 13	1800	MECH	ODP	3	230/460	25	284JP	71080613151	25XS8613-CCMKFA	12.25	12.25	7.00	5.50	9.50/11.00	0.53	12.49	11.94	4.00	8.74	10.18	12.53	14.25	12.21	4.75	31.92
						30	286JP	71080613101	30XS8613-CCMLAA	12.25	12.25	7.00	5.50	9.50/11.00	0.53	12.49	11.94	4.00	8.74	10.18	12.53	14.25	12.21	4.75	33.17
						40	324JP	71080613111	40XS8613-CCMLJJ	14.25	13.75	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	12.21	5.26	26.55
						40	324JP	71080613113	40XS8613-CCMMBD	14.25	13.75	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	12.21	5.26	26.55
						50	326JP	71080613121	50XS8613-CCMMGD	10.04	13.50	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.20	5.25	35.17
						60	364JP	71080613131	60XS8613-CCMMJJ	15.75	14.00	9.00	7.00	11.25/12.25	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.20	5.88	37.55
						60	364JP	71080613133	60XS8613-CCMNDB	15.75	14.00	9.00	7.00	11.25/12.25	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.20	5.88	37.55
						75	365JP	71080613141	75XS8613-CCMNFA	17.00	14.50	9.00	7.00	11.25/12.25	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.96	5.87	40.58
						75	365JP	71080613143	75XS8613-CCMPAA	17.00	14.50	9.00	7.00	11.25/12.25	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.96	5.87	40.58
			TEFC	3	230/460	25	284JP	73080613151	25XS8613-CTMKFA	12.75	12.84	7.00	5.50	9.50/11.00	0.53	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.11	4.75	35.87
						30	286JP	73080613101	30XS8613-CTMLAA	12.75	12.84	7.00	5.50	9.50/11.00	0.53	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.11	4.75	35.87
						40	324JP	73080613111	40XS8613-CTMLJJ	14.50	14.00	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	14.61	5.25	37.77
						40	324JP	73080613113	40XS8613-CTMMBD	14.50	14.00	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	14.61	5.25	37.77
						50	326JP	73080613121	50XS8613-CTMMGD	14.50	14.00	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	14.61	5.25	37.77
						60	364JP	73080613131	60XS8613-CTMMJJ	17.00	15.00	9.00	7.00	12.25	0.69	12.49	11.94	4.00	8.74	10.18	12.53	14.25	18.06	8.50	40.30
						60	364JP	73080613133	60XS8613-CTMNDB	17.00	15.00	9.00	7.00	12.25	0.69	12.49	11.94	4.00	8.74	10.18	12.53	14.25	18.06	8.50	40.30
					460	75	365JP	73080613141	75XS8613-CTMNFA	17.10	15.01	9.00	7.00	11.25/12.25	0.69	12.49	11.94	4.00	8.74	10.18	12.53	14.25	18.11	5.88	40.66
						75	365JP	73080613143	75XS8613-CTMPAA	17.10	15.01	9.00	7.00	11.25/12.25	0.69	12.49	11.94	4.00	8.74	10.18	12.53	14.25	18.11	5.88	40.66
					575	25	284JP	73080613151-5	25XS8613-CTMKFA-5	13.94	10.82	7.00	5.50	9.50	0.57	12.49	11.94	4.00	8.74	10.18	12.53	14.25	11.32	4.75	34.76
						30	286JP	73080613101-5	30XS8613-CTMLAA-5	13.94	12.68	7.00	5.50	9.50/11.00	0.53	12.49	11.94	4.00	8.74	10.18	12.53	14.25	11.32	4.76	36.26
						40	324JP	73080613111-5	40XS8613-CTMLJJ-5	15.67	12.71	8.00	6.25	10.50	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.54	5.25	37.18
						40	324JP	73080613113-5	40XS8613-CTMMBD-5	15.67	12.71	8.00	6.25	10.50	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.54	5.25	37.18
						50	326JP	73080613121-5	50XS8613-CTMMGD-5	15.67	14.21	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.54	5.25	38.67
						60	364JP	73080613131-5	60XS8613-CTMMJJ-5	17.17	16.22	9.00	7.00	11.26/12.24	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	16.02	5.88	40.28
						60	364JP	73080613133-5	60XS8613-CTMNDB-5	17.17	16.22	9.00	7.00	11.26/12.24	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	16.02	5.88	40.28
						75	365JP	73080613141-5	75XS8613-CTMNFA-5	17.17	16.22	9.00	7.00	11.26/12.24	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	16.02	5.88	40.28
						75	365JP	73080613143-5	75XS8613-CTMPAA-5	17.17	16.22	9.00	7.00	11.26/12.24	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	16.02	5.88	40.28

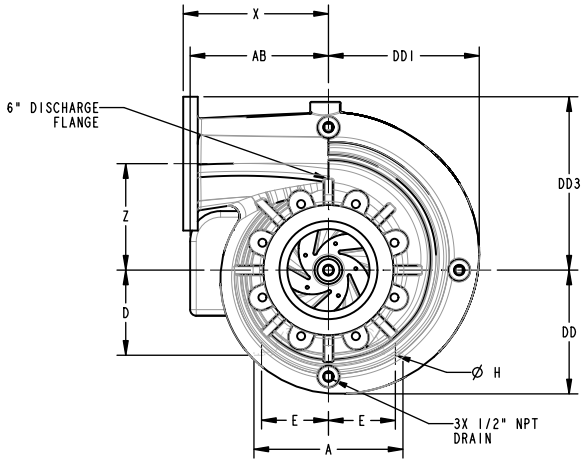
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Series	RPM	SEAL	ENCL	PH	Volts	HP	Frame	Order Number	Model Number	A	B	D	E	F	H	K	X	Y	Z	DD	DD1	DD3	AB	BA	OP
6 X 8 - 13	1800	PACK	ODP	3	230/460	25	284JP	70080613150	25XS8613-CCPKFA	12.25	12.25	7.00	5.50	9.50/11.00	0.53	12.49	11.94	4.00	8.74	10.18	12.53	14.25	12.21	4.75	31.92
						30	286JP	70080613100	30XS8613-CCPLAA	12.25	12.25	7.00	5.50	9.50/11.00	0.53	12.49	11.94	4.00	8.74	10.18	12.53	14.25	12.21	4.75	33.17
						40	324JP	70080613110	40XS8613-CCPLJJ	14.25	13.75	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	12.21	5.26	26.55
						40	324JP	70080613112	40XS8613-CCPMBD	14.25	13.75	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	12.21	5.26	26.55
						50	326JP	70080613120	50XS8613-CCPMGD	10.04	13.50	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.20	5.25	35.17
						60	364JP	70080613130	60XS8613-CCPMJJ	15.75	14.00	9.00	7.00	11.25/12.25	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.20	5.88	37.55
						60	364JP	70080613132	60XS8613-CCPNDB	15.75	14.00	9.00	7.00	11.25/12.25	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.20	5.88	37.55
						75	365JP	70080613140	75XS8613-CCPNFA	17.00	14.50	9.00	7.00	11.25/12.25	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.96	5.87	40.58
						75	365JP	70080613142	75XS8613-CCPPAA	17.00	14.50	9.00	7.00	11.25/12.25	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.96	5.87	40.58
6 X 8 - 13	1800	PACK	TEFC	3	230/460	25	284JP	72080613150	25XS8613-CTPKFA	12.75	12.84	7.00	5.50	9.50/11.00	0.53	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.11	4.75	35.87
						30	286JP	72080613100	30XS8613-CTPLAA	12.75	12.84	7.00	5.50	9.50/11.00	0.53	12.49	11.94	4.00	8.74	10.18	12.53	14.25	13.11	4.75	35.87
						40	324JP	72080613110	40XS8613-CTPLJJ	14.50	14.00	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	14.61	5.25	37.77
						40	324JP	72080613112	40XS8613-CTPMBD	14.50	14.00	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	14.61	5.25	37.77
						50	326JP	72080613120	50XS8613-CTPMGD	14.50	14.00	8.00	6.25	10.50/12.00	0.66	12.49	11.94	4.00	8.74	10.18	12.53	14.25	14.61	5.25	37.77
						60	364JP	72080613130	60XS8613-CTPMJJ	17.00	15.00	9.00	7.00	12.25	0.69	12.49	11.94	4.00	8.74	10.18	12.53	14.25	18.06	8.50	40.30
						60	364JP	72080613132	60XS8613-CTPNBD	17.00	15.00	9.00	7.00	12.25	0.69	12.49	11.94	4.00	8.74	10.18	12.53	14.25	18.06	8.50	40.30
					460	75	365JP	72080613140	75XS8613-CTPNFA	17.10	15.01	9.00	7.00	11.25/12.25	0.69	12.49	11.94	4.00	8.74	10.18	12.53	14.25	18.11	5.88	40.66
						75	365JP	72080613142	75XS8613-CTPPAA	17.10	15.01	9.00	7.00	11.25/12.25	0.69	12.49	11.94	4.00	8.74	10.18	12.53	14.25	18.11	5.88	40.66

CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

MOTOR SPECIFICATIONS

RPM	Encl.	PH	Volts	HP	Fla	Frame	Motor Code	Ak Fit	Shaft	Order No.	Wt
1800	ODP	1	230	7.5	32.3	215JP	JP-2	8.5	1.250	JPL1510T	143
				10	40.8	215JP	JP-2	8.5	1.250	JPL1512T	142
		3	230/460	7.5	18.6/9.3	213JP	JP-2	8.5	1.250	EJPM3311T	130
				10	25/12.5	215JP	JP-2	8.5	1.250	EJPM3313T	138
				15	36.4/18.2	254JP	JP-2	8.5	1.250	EJPM2513T	219
				20	48/24	256JP	JP-2	8.5	1.250	EJPM2515T	236
				25	60/30	284JP	JP-3	12.5	1.250	EJPM2531T	335
				30	72/36	286JP	JP-3	12.5	1.250	EJPM2535T	370
				40	98/49	324JP	JP-3	12.5	1.250	EJPM2539T	378
				50	114/57	326JP	JP-3	12.5	1.250	EJPM2543T	500
				60	136/68	364JP	JP-4	12.5	1.625	EJPM2547T	565
				75	170/85	365JP	JP-4	12.5	1.625	EJPM2551T	597
	TEFC	1	230	7.5	33.5	215JP	JP-2	8.5	1.250	UJ7C2K21P	120
				10	43	215JP	JP-2	8.5	1.250	UJ10C2K21P	140
		3	230/460	7.5	19/9.5	213JP	JP-2	8.5	1.250	EJPM3710T	129
				10	25/12.5	215JP	JP-2	8.5	1.250	EJPM3714T	165
				15	36.2/18.1	254JP	JP-2	8.5	1.250	EJPM2333T	265
				20	48/24	256JP	JP-2	8.5	1.250	EJPM2334T	300
				25	62/31	284JP	JP-3	12.5	1.250	EJPM4103T	412
				30	72/36	286JP	JP-3	12.5	1.250	EJPM4104T	452
				40	96/48	324JP	JP-3	12.5	1.250	EJPM4110T	602
				50	116/58	326JP	JP-3	12.5	1.250	EJPM4115T	646
				60	136/68	364JP	JP-4	12.5	1.625	A36-7788-1207	815
			460	75	85.9	365JP	JP-4	12.5	1.625	A36-7830-1513	965
			575	7.5	7.26	213JP	JP-2	8.5	1.250	00718ET3H213JP-W22	188
				10	9.92	215JP	JP-2	8.5	1.250	01018ET3H215JP-W22	202
				15	14.4	254JP	JP-2	8.5	1.250	01518ET3H254JP-W22	353
				20	19.3	256JP	JP-2	8.5	1.250	02018ET3H256JP-W22	401
				25	23.6	284JP	JP-3	12.5	1.250	02518ET3H284JP-W22	453
				30	28.1	286JP	JP-3	12.5	1.250	03018ET3H286JP-W22	490
				40	37.7	324JP	JP-3	12.5	1.250	04018ET3H324JP-W22	608
				50	47.4	326JP	JP-3	12.5	1.250	05018ET3H326JP-W22	645
				60	54.6	364JP	JP-4	12.5	1.625	06018ET3H364JP-W22	1042
				75	67.3	365JP	JP-4	12.5	1.625	07518ET3H365JP-W22	1044

JP frame motors are used on both mechanical and packing seal versions.

MOTOR FIT CODES WITH DIMENSIONS

Motor Fit Code	Flange Rabbet, AK	Shaft End Diameter, U	Shaft Length	Fits Motor Frames
JP-1	4.2	0.875	7.312	143-145-182-184
JP-2	8.5	1.25	8.125	213-215-254-256
JP-3	12.5	1.25	8.125	284-286-324-326
JP-4	12.5	1.25	8.125	364-445JPZ/TCZ

JP frame motors are used on both mechanical and packing seal versions.

CENTRIFUGAL PUMPS

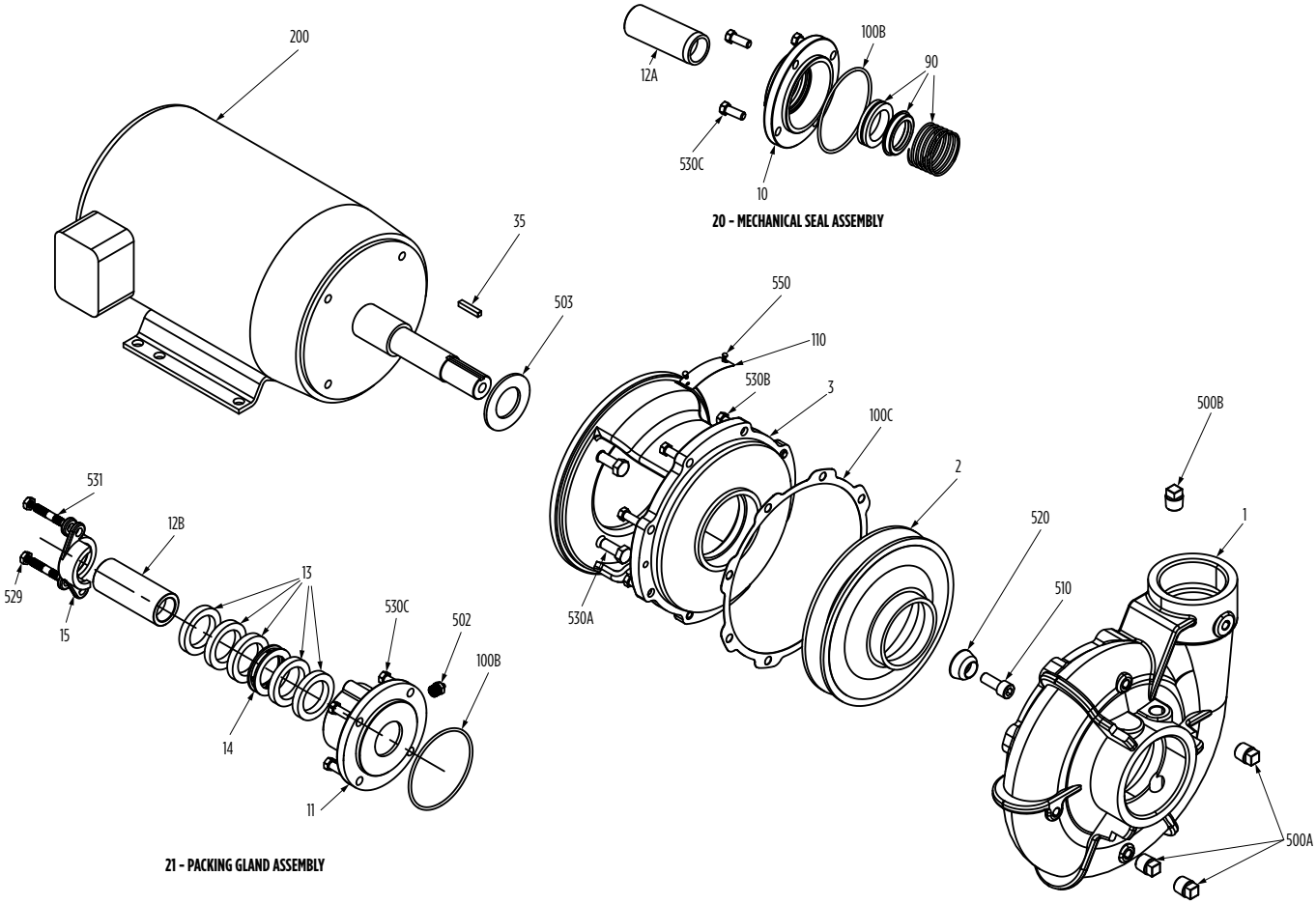
CLOSE-COUPLED XS SERIES

PUMP END KITS

Pump End Kits												
XS - Series	Connection	Seal Type	Frame	AK	Shaft Dia	Motor Code	Order No	Description	Kit Trim	WT	HP	Trim Req'd
3 X 4 - 9	NPT	MECHANICAL	213-256JP	8.5	1.25	JP-2	63040309101	XS439-KTM8	9.00	139	7.5	7.63
											10	8.38
											15	9.00
		PACKING	213-256JP	8.5	1.25	JP-2	62040309100	XS439-KTP8	9.00	138	7.5	7.63
											10	8.38
											15	9.00
3 X 4 - 13	FLG	MECHANICAL	213-256JP	8.5	1.25	JP-2	63040313101	XS4313-KTM8-01	13.06	285	10	9.13
											15	10.75
											20	11.75
			284-326JP	12.5	1.25	JP-3	63040313501	XS4313-KTM12-02	13.06	285	25	12.31
											30	12.75
											40	13.06
		PACKING	213-256JP	8.5	1.25	JP-2	62040313100	XS4313-KTP8-01	13.06	285	10	9.13
											15	10.75
											20	11.75
			284-326JP	12.5	1.25	JP-3	62040313500	XS4313-KTP12-02	13.06	285	25	12.31
											30	12.75
											40	13.06
4 X 6 - 13H	FLG	MECHANICAL	256JP	8.5	1.25	JP-2	63060413103	XS6413H-KTM8-01	13.00	500	20	9.38
			284-326JP	12.5	1.25	JP-3	63060413503	XS6413H-KTM12-02	13.00	500	25	10.25
											30	10.88
											30	11.38
											40	12.25
											50	13.00
		PACKING	256JP	8.5	1.25	JP-2	62060413102	XS6413H-KTP8-01	13.00	500	20	9.38
			284-326JP	12.5	1.25	JP-3	62060413502	XS6413H-KTP12-02	13.00	500	25	10.25
											30	10.88
											30	11.38
											40	12.25
											50	13.00
6 X 8 - 13	FLG	MECHANICAL	284-326JP	12.5	1.25	JP-3	63080613501	XS8613-KTM12-02	12.00	585	25	9.50
											30	10.00
											40	10.88
											40	11.13
											50	11.63
			364-365JP	12.5	1.625	JP-4	63080613511	XS8613-KTM12-03	13.00	585	60	11.88
											60	12.31
											75	12.50
											75	13.00
		PACKING	284-326JP	12.5	1.25	JP-3	62080613500	XS8613-KTP12-02	12.00	585	25	9.50
											30	10.00
											40	10.88
											40	11.13
											50	11.63
			364-365JP	12.5	1.625	JP-4	62080613510	XS8613-KTP12-03	13.00	585	60	11.88
											60	12.31
											75	12.50
											75	13.00

Installing motor on pump ends
Pump end kits are shipped with maximum diameter impeller for the largest horsepower rating within the range of motor frame sizes that pump kit is intended to fit. Any impeller trimming and re-balancing is the responsibility of the assembler.
If you purchase a pump end kit without a factory supplied motor, you are responsible for ensuring that the motor driver has a sufficient horsepower and service factor rating to adequately handle the pump horsepower load across the spectrum of the operating curve.

MATERIALS AND PARTS 3 X 4 - 9



CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

MATERIALS AND PARTS 3 x 4 - 9

Figure No.	Part Description	Repair No.	Materials of Construction
1	Volute Case	305462001	Cast iron, ASTM-A48 CL 30
2	Impeller (full 9" trim) 15 hp	305462056	Cast iron, ASTM-A48 CL 30
2	Impeller (8.38 trim) 10 hp	305462057	Cast iron, ASTM-A48 CL 30
2	Impeller (7.63 trim) 7.5 hp	305462058	Cast iron, ASTM-A48 CL 30
3	Motor Bracket JP 8.5AK	305462002	Cast iron, ASTM-A48 CL 30
10	Mechanical Seal Box	305448004	Cast iron, ASTM-A48 CL 30
11	Packing Seal Box	305448005	Cast iron, ASTM-A48 CL 30
12B	Packing Shaft Sleeve	305462004	416 stainless steel
12A	Mechanical Seal Shaft Sleeve	305462005	416 stainless steel
13	Packing Ring Set	305448009	Graphite/cotton
14	Lantern Ring	305448010	Teflon
15	Packing Gland (2 Piece)	305448011	316 stainless steel
20	Mechanical Seal Assembly (10, 12A, 90, 100B, 530C)	305462053	Misc.
21	Packing Gland Assembly (11, 12B, 13, 14, 15, 100B,502, 529, 530C, 531)	305462054	Misc.
35	Impeller Shaft Key	305450006	316 stainless steel
90	Mechanical Shaft Seal	305463012	Carbon/ceramic/nitrile/316 stainless steel
100B	Seal Box O-Ring	305463013	Nitrile
100C	Volute Case Gasket	305463138	NA60
110/550	NAMEPLATE FPS and Drive Screws	305463005	Stainless steel
200	Motor - JP Frame see MOTOR section	See MotorSection	Misc.
500A	Pipe Plug (4-pack)	305463020	Zinc-plated steel
500B	Pipe Plug (4-pack)	305463144	Zinc-plated steel
502	Grease Zerk Straight	305463015	Zinc-plated steel
503	Water Slinger	305447008	Neoprene
510	Impeller Hex Cap Screw	305463014	316 Stainless-Grade 5
520	Impeller Washer	305448014	300 series stainless steel
529	Packing Gland Nut (4-pack)	305463007	Zinc-plated steel
530A	Motor Bracket Hex Cap Screw (12-pack)	305463016	Zinc-plated steel
530B	Volute Case Hex Cap Screw (12-pack)	305463202	Zinc-plated steel
530C	Seal Box Bolts (4-pack)	305463010	Zinc-plated steel
531	Packing Gland Stud (4-pack)	305463008	Zinc-plated steel

Motor Fitment

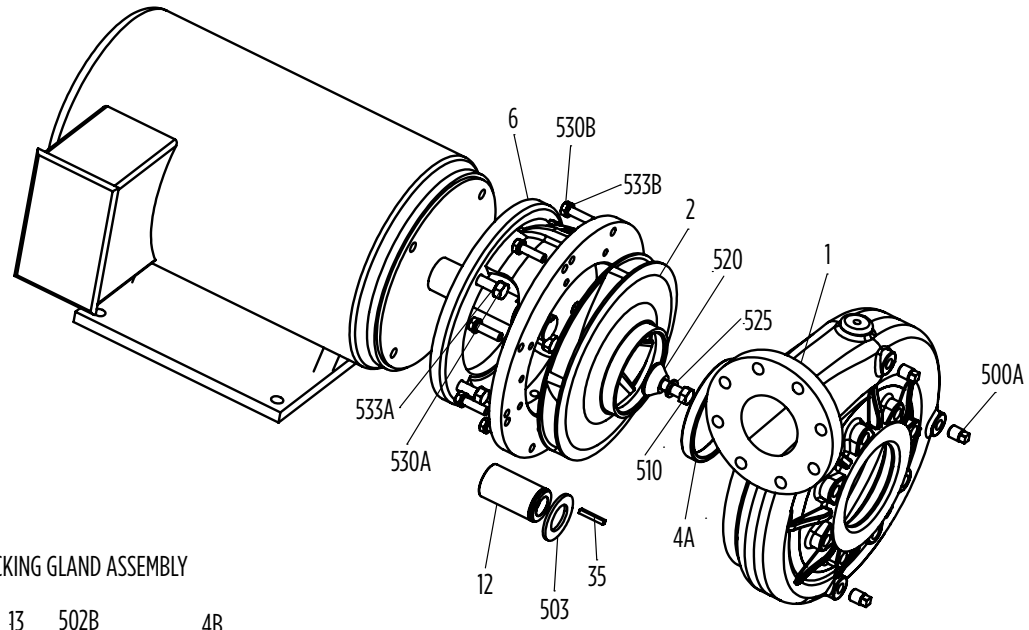
Figure No.	RPM	HP	Frame	AK	Shaft Dia	Mtr Code
200	1800	7.5 - 15	213 - 256JP	8.5	1.25	JP-2

Refer to motor specifications page for replacement information
Motor Frame can be determined by the pump order number and or motor nameplate

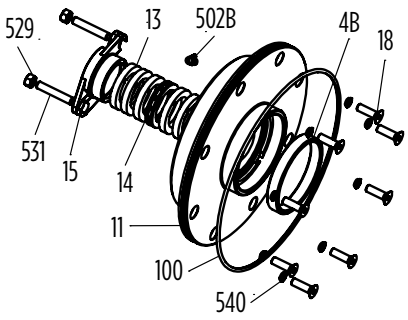
CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

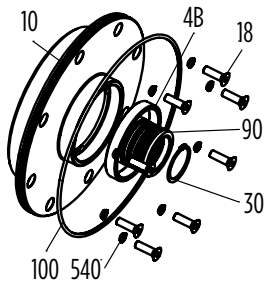
EXPLODED PARTS DRAWING 3 X 4 - 13



21 - PACKING GLAND ASSEMBLY



20 - MECHANICAL SEAL ASSEMBLY



CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

MATERIALS AND PARTS 3 x 4 - 13

Figure No.	Part Description	Repair No.	Materials of Construction
1	Volute Case	305464001	Cast iron, ASTM-48 Class 30
2	Impeller, 9.13" diameter (KBD), 10 HP	305464090	316 stainless steel
2	Impeller, 10.75" diameter (LHF), 15 HP	305464091	316 stainless steel
2	Impeller,11.75" diameter (MHF), 20 HP	305464092	316 stainless steel
2	Impeller, 12.31" diameter (NDB), 25 HP	305464093	316 stainless steel
2	Impeller, 12.75" diameter (NHF), 30 HP	305464094	316 stainless steel
2	Impeller, 13.06" diameter (PAG), 40 HP	305464002	316 stainless steel
4A	Volute Case Wear Ring	305464003	SAE 660 bronze
4B	Seal Plate Wear Ring	305464003	SAE 660 bronze
6	Motor Bracket (8.5AK*)	305464037	Cast iron, ASTM-48 Class 30
6	Motor Bracket (12.5AK*)	305464052	Cast iron, ASTM-48 Class 30
10	Mechanical Seal Back Plate	305464006	Cast iron, ASTM-48 Class 30
11	Packing Seal Back Plate	305464007	Cast iron, ASTM-48 Class 30
12A	Packing Shaft Sleeve	305464056	416 stainless steel
12B	Mechanical Seal Shaft Sleeve	305464057	416 stainless steel
13	Packing Ring Set	305731918	Graphite/cotton
14	Lantern Ring	305464011	Acetal
15	Packing Gland (2-piece)	305464012	316 stainless steel
18	Seal Plate Flat Socket Cap Screw (8-pack)	305463147	300 series stainless steel
20	Mechanical Seal Assembly (10, 4B, 90, 30, 18, 540, 100)	305464013	misc
21	Packing Gland Assembly (11, 4B, 13, 14, 18, 540, 100, 15, 531, 529, 502B)	305464014	misc
30	Mechanical Seal Retaining Ring	305463149	316 stainless steel
35	Impeller Shaft Key (2-Pack)	305463150	316 stainless steel
90	Mechanical Shaft Seal	305463153	Carbon/ceramic/nitrile/316 stainless steel
100	Volute Case O-Ring	305463154	Nitrile
503	Water Slinger	305447008	Neoprene
510	Impeller Hex Cap Screw	305463155	300 series stainless steel
520	Impeller Washer	305464016	300 series stainless steel
525	Impeller Lock Washer	305463156	316 stainless steel
529	Packing Gland Nut (4-Pack)	305463157	Zinc-plated steel
531	Packing Gland Stud (2-Pack)	305463158	Zinc-plated steel
540	Flat Socket Cap Screw Seal (8-Pack)	305463159	Nylon
500A	Pipe Plug (4-Pack)	305463175	Zinc-plated steel
502A	Grease Zerk Straight (3-Pack)	305463160	Zinc-plated steel
502B	Grease Zerk 65 Deg	305418960	Zinc-plated steel
530A	Motor Bracket Hex Cap Screw 1/2-13 (8.5AK) (4-Pack)	305463163	Zinc-plated steel
530A	Motor Bracket Hex Cap Screw 5/8-11 (12.5AK) (4-Pack)	305463169	Zinc-plated steel
530B	Volute Case Hex Cap Screw (8-Pack)	305463163	Zinc-plated steel
533A	Motor Bracket Lock Washer 1/2 (8.5AK) (8-Pack)	305463067	Zinc-plated steel
533A	Motor Bracket Lock Washer 5/8 (12.5AK) (4-Pack)	305463188	Zinc-plated steel
533B	Volute Case Hex Cap Lock Washer (8-Pack)	305463067	Zinc-plated steel
Not Shown	Mechanical Sleeve Set Screw	305463165	300 series stainless steel

Motor Fitment

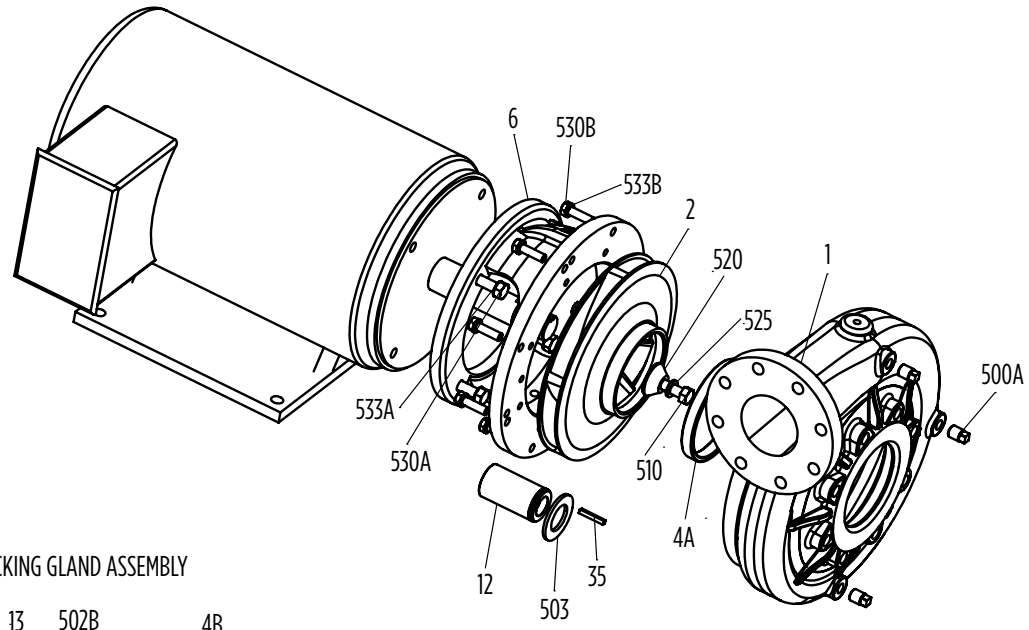
Figure No.	RPM	HP	Frame	AK	Shaft Dia	Mtr Code
200	1800	10 - 20	213 - 256JP	8.5	1.25	JP-2
		25 - 40	284 - 326JP	12.5	1.25	JP-3

Refer to motor specifications page for replacement information
Motor Frame can be determined by the pump order number and or motor nameplate

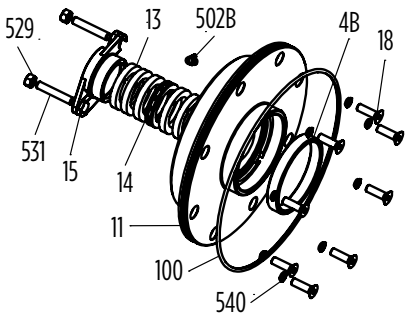
CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

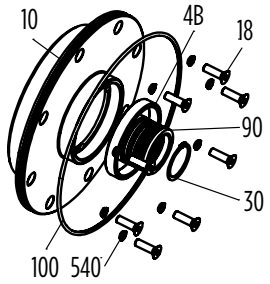
EXPLODED PARTS DRAWING 4 X 6 - 13H



21 - PACKING GLAND ASSEMBLY



20 - MECHANICAL SEAL ASSEMBLY



CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

MATERIALS AND PARTS 4 x 6 - 13H

Figure No.	Part Description	Repair No.	Materials of Construction
1	Volute Case	305464017	Cast iron, ASTM-48 Class 30
2	Impeller, 9.38" diameter (KDJ), 20 HP	305464085	316 stainless steel
2	Impeller, 10.25" diameter (LCF), 25 HP	305464086	316 stainless steel
2	Impeller,10.88" diameter (LJJ), 30 HP	305464087	316 stainless steel
2	Impeller, 11.38" diameter (MDJ), 30 HP	305464088	316 stainless steel
2	Impeller, 12.25" diameter (NCF), 40 HP	305464089	316 stainless steel
2	Impeller, 13.00" diameter (PAA), 50 HP	305464063	316 stainless steel
4A	Volute Case Wear Ring	305464023	SAE 660 bronze
4B	Seal Plate Wear Ring	305464003	SAE 660 bronze
6	Motor Bracket (8.5AK*)	305464037	Cast iron, ASTM-48 Class 30
6	Motor Bracket (12.5AK*)	305464052	Cast iron, ASTM-48 Class 30
10	Mechanical Seal Back Plate	305464006	Cast iron, ASTM-48 Class 30
11	Packing Seal Back Plate	305464007	Cast iron, ASTM-48 Class 30
12A	Packing Shaft Sleeve	305464056	416 stainless steel
12B	Mechanical Seal Shaft Sleeve	305464057	416 stainless steel
13	Packing Ring Set	305731918	Graphite/cotton
14	Lantern Ring	305464011	Acetal
15	Packing Gland (2-piece)	305464012	316 stainless steel
18	Seal Plate Flat Socket Cap Screw (8-pack)	305463147	300 series stainless steel
20	Mechanical Seal Assembly (10, 4B, 90, 30, 18, 540, 100)	305464013	misc
21	Packing Gland Assembly (11, 4B, 13, 14, 18, 540, 100, 15, 531, 529, 502B)	305464014	misc
30	Mechanical Seal Retaining Ring	305463149	316 stainless steel
35	Impeller Shaft Key (2-Pack)	305463150	316 stainless steel
90	Mechanical Shaft Seal	305463153	Carbon/ceramic/nitrile/316 stainless steel
100	Volute Case O-Ring	305463154	Nitrile
503	Water Slinger	305447008	Neoprene
510	Impeller Hex Cap Screw	305463155	300 series stainless steel
520	Impeller Washer	305464016	300 series stainless steel
525	Impeller Lock Washer	305463156	316 stainless steel
529	Packing Gland Nut (4-Pack)	305463157	Zinc-plated steel
531	Packing Gland Stud (2-Pack)	305463158	Zinc-plated steel
540	Flat Socket Cap Screw Seal (8-Pack)	305463159	Nylon
500A	Pipe Plug (4-Pack)	305463144	Zinc-plated steel
502A	Grease Zerk Straight (3-Pack)	305463160	Zinc-plated steel
502B	Grease Zerk 65 Deg	305418960	Zinc-plated steel
530A	Motor Bracket Hex Cap Screw 1/2-13 (8.5AK) (4-Pack)	305463163	Zinc-plated steel
530A	Motor Bracket Hex Cap Screw 5/8-11 (12.5AK) (4-Pack)	305463169	Zinc-plated steel
530B	Volute Case Hex Cap Screw (8-Pack)	305463163	Zinc-plated steel
533A	Motor Bracket Lock Washer 1/2 (8.5AK) (8-Pack)	305463067	Zinc-plated steel
533A	Motor Bracket Lock Washer 5/8 (12.5AK) (4-Pack)	305463188	Zinc-plated steel
533B	Volute Case Hex Cap Lock Washer (8-Pack)	305463067	Zinc-plated steel
Not Shown	Mechanical Sleeve Set Screw	305463165	300 series stainless steel

Motor Fitment

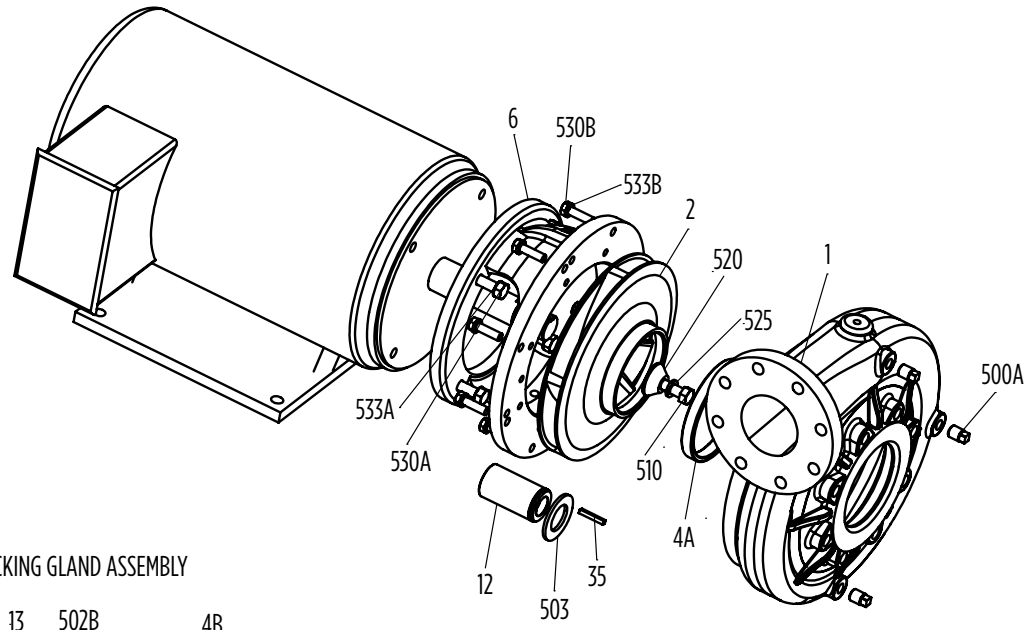
Figure No.	RPM	HP	Frame	AK	Shaft Dia	Mtr Code
200	1800	20	256JP	8.5	1.25	JP-2
		25 - 50	284 - 326JP	12.5	1.25	JP-3

Refer to motor specifications page for replacement information
Motor Frame can be determined by the pump order number and or motor nameplate

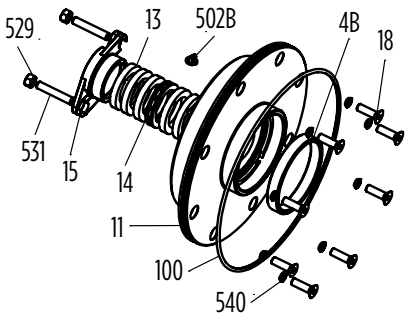
CENTRIFUGAL PUMPS

CLOSE-COUPLED XS SERIES

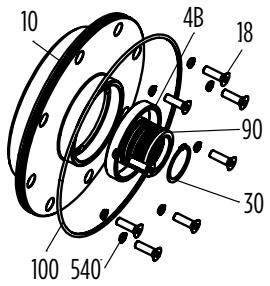
EXPLODED PARTS DRAWING 6 X 8 - 13



21 - PACKING GLAND ASSEMBLY



20 - MECHANICAL SEAL ASSEMBLY



CENTRIFUGAL PUMPS
CLOSE-COUPLED XS SERIES

FPS

MATERIALS AND PARTS 6 x 8 - 13

Figure No.	Part Description	Repair No.		Materials of Construction
		25-50hp	60-75hp	
1	Volute Case	305464018		Cast iron, ASTM-48 Class 30
2	Impeller, 9.50" diameter (KFA), 25 HP	305464095	-	316 stainless steel
2	Impeller, 10.00" diameter (LAA), 30 HP	305464096	-	316 stainless steel
2	Impeller,10.88" diameter (LJJ), 40 HP	305464097	-	316 stainless steel
2	Impeller, 11.13" diameter (MBD), 40 HP	305464098	-	316 stainless steel
2	Impeller, 11.63" diameter (MGD), 50 HP	305464099	-	316 stainless steel
2	Impeller, 11.88" diameter (MJJ), 60 HP	-	305464115	316 stainless steel
2	Impeller, 12.31" diameter (NDB), 60 HP	-	305464116	316 stainless steel
2	Impeller, 12.50" diameter (NFA), 75 HP	-	305464117	316 stainless steel
2	Impeller, 13.00" diameter (PAA), 75 HP	-	305464021	316 stainless steel
4A	Volute Case Wear Ring	305464024		SAE 660 bronze
4B	Seal Plate Wear Ring	305464025		SAE 660 bronze
6	Motor Bracket (12.5AK*)	305464052		Cast iron, ASTM-48 Class 30
10	Mechanical Seal Back Plate	305464026		Cast iron, ASTM-48 Class 30
11	Packing Seal Back Plate	305464027		Cast iron, ASTM-48 Class 30
12A	Packing Shaft Sleeve	305464056	305464028	416 stainless steel
12B	Mechanical Seal Shaft Sleeve	305464057	305464029	416 stainless steel
13	Packing Ring Set	305731918		Graphite/cotton
14	Lantern Ring	305464011		Acetal
15	Packing Gland (2-piece)	305464012		316 stainless steel
18	Seal Plate Flat Socket Cap Screw (8-pack)	305463147		300 series stainless steel
20	Mechanical Seal Assembly (10, 4B, 90, 30, 18, 540, 100)	305464030		misc
21	Packing Gland Assembly (11, 4B, 13, 14, 18, 540, 100, 15, 531, 529, 502B)	305464031		misc
30	Mechanical Seal Retaining Ring	305463149	305464032	316 stainless steel
35	Impeller Shaft Key (2-Pack)	305463150	305464032	316 stainless steel
90	Mechanical Shaft Seal	305463153		Carbon/ceramic/nitrile/316 stainless steel
100	Volute Case O-Ring	305463154		Nitrile
503	Water Slinger	305447008		Neoprene
510	Impeller Hex Cap Screw	305463167		300 series stainless steel
520	Impeller Washer	305464016	305464058	300 series stainless steel
525	Impeller Lock Washer	305463168		316 stainless steel
529	Packing Gland Nut (4-Pack)	305463157		Zinc-plated steel
531	Packing Gland Stud (2-Pack)	305463158		Zinc-plated steel
540	Flat Socket Cap Screw Seal (8-Pack)	305463159		Nylon
500A	Pipe Plug (4-Pack)	305463175		Zinc-plated steel
502A	Grease Zerk Straight (3-Pack)	305463160		Zinc-plated steel
502B	Grease Zerk 65 Deg	305418960		Zinc-plated steel
530A	Motor Bracket Hex Cap Screw 5/8-11 (12.5AK) (4-Pack)	305463169		Zinc-plated steel
530B	Volute Case Hex Cap Screw (8-Pack)	305463163		Zinc-plated steel
533A	Motor Bracket Lock Washer 5/8 (12.5AK) (4-Pack)	305463188		Zinc-plated steel
533B	Volute Case Hex Cap Lock Washer (8-Pack)	305463067		Zinc-plated steel
Not Shown	Mechanical Sleeve Set Screw	305463165		300 series stainless steel

Motor Fitment

Figure No.	RPM	HP	Frame	AK	Shaft Dia	Mtr Code
200	1800	25 - 50	284 - 326JP	12.5	1.25	JP-3
		60 - 75	364 - 365JP	12.5	1.625	JP-4

Refer to motor specifications page for replacement information
Motor Frame can be determined by the pump order number and or motor nameplate

NOTES

CLOSE-COUPLED XS SERIES

NOTES

CLOSE-COUPLED XS SERIES


Franklin Electric