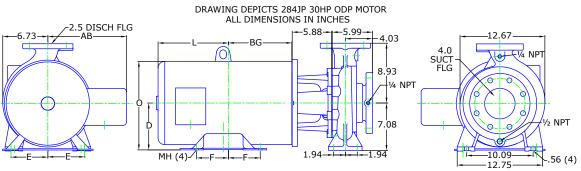
SCOT

MOTORPUMP[™] — 2900 RPM 50 HERTZ, 4 X 2.5 X 8 ANSI Flanged

MOTOR DIMENSIONS

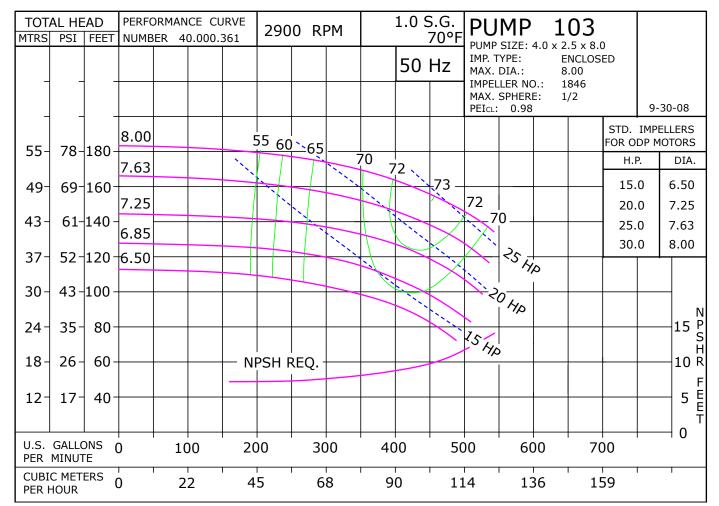
		NEMA	JP I	FRAME	5 3 PI	IASE	2900 R	PM		
HP	Туре	Frame	D	ш	F	0	AB	BG	L	MH
10	ODP	JP215	5.25	4.25	3.50	10.14	7.97	7.75	6.88	0.41
15	ODP	JP254	6.25	5.00	4.13	12.01	9.45	8.88	7.84	0.53
20	ODP	JP256	6.25	5.00	5.00	12.01	9.45	9.75	6.97	0.53
25	ODP	JP284	7.00	5.50	4.75	13.86	10.87	9.75	9.26	0.53
10	TEFC	JP254	6.25	5.00	4.13	12.76	10.48	8.13	10.84	0.53
15/20	TEFC	JP256	6.25	5.00	5.00	12.37	10.48	9.01	11.70	0.53
25	TEFC	JP286	7.00	5.50	5.50	14.11	11.07	10.02	13.04	0.53



Dimensions are the next larger 60Hz motor derated for 50HZ operation.

ALL DIMENSIONS IN INCHES.

DRAWING REPRESENTS APPROXIMATE PUMP DIMENSIONS. AUTOCAD DRAWINGS TO SCALE AVAILABLE FROM FACTORY







50 Hertz Pump & Motor Data

A 3-phase 50 Hertz Motorpump[™] can be obtained in several ways. The most common options are listed below:

1. Most 60 Hz pumps available from Scot Pump can be operated on a 3-phase 50 Hz 190/380V power. However, when operated on 50 Hz power, the speed is reduced by approximately 20%, and a significant reduction in performance is realized. The charts below indicate these reductions in performance.

2. Pumps will produce the performance indicated in the performance curves when operated on 50 Hz power. The motors for these selections can be obtained through *derated 60 Hz motors* and *wound 50 Hz motors* (see below).

Contact factory for 1 Phase applications.

Derated 60 Hz Motors

The most common practice and readily available method of obtaining a 50 Hz motor is by using the next larger 60 Hz motor and derating it to the desired horsepower on 50 Hz. We will require the country the motor is being exported to, frequency in hertz and specific voltage to ensure that a nameplate with applicable efficiency and country markings (if required) is supplied. In utilizing this practice, service factors may be derated to 1.0. Please contact the factory for approval of the rating for your specific application.

Wound 50 Hz Motors

Specially wound 50 Hz motors are available. These motors are not normally a stock item and require an extended lead time.

The impeller and horsepower combination sized (taking the reduction in speed into consideration) may not be suitable for operation on 60 Hz power. The increase in speed, performance and load may overload the system and the electric motors. *Pumps sized for 50 Hz operation SHOULD NOT be tested on 60 Hz*.

60 Hz Pump on 50 Hz Power

No Impeller Change

50 Hz	60 Hz	Factor
GPM =	GPM x	0.829
Head =	Head x	0.687
BHP =	HP x	0.569

To Size 60 Hz Pump Using 50 Hz Data,

Obtain 60 Hz Data As Follows:

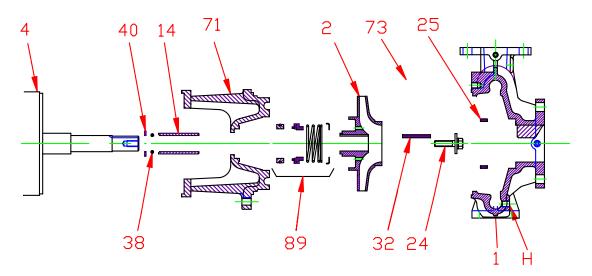
60 Hz	50 Hz	Factor
GPM =	GPM x	1.2
Head =	Head x	1.45
BHP =	HP =	GPM x Head x SG of
DHP =	ΠP =	3960 x Eff

		Change of Speed (RPM)
	How Varies:	Examples
GPM	Directly	Double RPM = $(2)(RPM) = (2)(GPM)$ Triple RPM = $(3)(RPM) = (3)(GPM)$
Head	Square	Double RPM = $(2)(RPM) = (2)^2 = (2)(2) = (4)(Head)$ Triple RPM = $(3)(RPM) = (3)^2 = (3)(3) = (9)(Head)$
BHP	Cube	Double RPM = $(2)(RPM) = (2)^3 = (2)(2)(2) = (8)(BHP)$ Triple RPM = $(3)(RPM) = (3)^3 = (3)(3)(3) = (27)(BHP)$

	Chan	ge of Impeller Diameter (Dia.)
	How Varies:	Examples
GPM	Directly	Double Dia. = (2)(Dia.) = (2)(GPM) Triple Dia. = (3)(Dia.) = (3)(RPM)
Head	Square	Double Dia. = $(2)(Dia.) = (2)^2 = (2)(2) = (4)(Head)$ Triple Dia. = $(3)(Dia.) = (3)^2 = (3)(3) = (9)(Head)$
BHP	Cube	Double Dia. = $(2)(Dia.) = (2)^3 = (2)(2)(2) = (8)(BHP)$ Triple Dia. = $(3)(Dia.) = (3)^3 = (3)(3)(3) = (27)(BHP)$

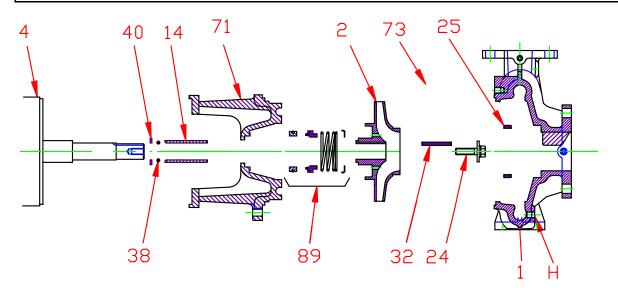
ED1014 D16

Pump 103 • Iron • JP Frame • 2900 RPM



1+ CASE, IRON, 4 x 2.5 FLG 130.000.309X 2 IMPELLER, 11/2" KEYED, ENCLOSED, SPECIFY DIAMETER: IRON 137.002.242 4 MOTOR, JP210/250 See 60HZ Chart 4 MOTOR, JP280/320 See 60HZ Chart 14* SHAFT SLEEVE, BRONZE 110.000.398 5 WEAR RING, BRONZE 137.002.344 25 WEAR RING, BRONZE 137.002.335 26* IMPELLER RETAINER, STAINLESS 110.000.218 26* IMPELLER RETAINER, STAINLESS 102.000.257 38* O-RING, SHAFT, BUNA 116.000.218 Q-RING, SHAFT, VITON 116.000.218 Q-RING, SHAFT, VITON 116.000.218 Q-RING, SHAFT, VITON 116.000.276 13* GASKET, CASE, FIBER 101.000.216 VN-CARB/CM 101.000.276 132.000.378X ADAPTER, IRON, JP20/320 132.000.378X 101.000.216 VN-CARB/CM 101.000.216 VN-CARB/CM VN-CARB/CM 101.000.216 VN-CARB/CM VN-CARB/CM SEAL 118.000.4100 VN-CARB/CM SEAL 118.000.4100 </th <th>KEY NO.</th> <th>PART NAME</th> <th>PUMP NO. 103</th>	KEY NO.	PART NAME	PUMP NO. 103
2 IRON 137.002.242 4 MOTOR, JP280/320 See 60HZ Chart 14* SHAFT SLEEVE, BRONZE 110.000.398 14* SHAFT SLEEVE, BRONZE 110.000.398 14* SHAFT SLEEVE, BRONZE 137.002.335 25 WEAR RING, STEEL 137.002.335 26* IMPELLER RETAINER, STAINLESS 116.000.218 27* KEY, STAINLESS 102.000.257 38* O-RING, SHAFT, BUNA 116.000.218 0-RING, SHAFT, UTON 116.000.218 40* FLINGER, STAINLESS 104.000.200 71 ADAPTER, IRON, JP210/250 132.000.378X ADAPTER, IRON, JP280/320 132.000.376X ADAPTER, IRON, JP280/320 132.000.376X ADAPTER, IRON, JP280/320 132.000.376X </td <td>1+</td> <td></td> <td>130.000.309X</td>	1+		130.000.309X
IRON 137.002.242 4 MOTOR, JP210/250 See 60H2 Chart MATOR, JP280/320 See 60H2 Chart 14* SHAFT SLEEVE, BRONZE 110.000.388 14* SHAFT SLEEVE, STAINLESS 110.000.388 25 WEAR RING, BRONZE 137.000.434 WEAR RING, STEEL 137.002.335 26* IMPELLER RETAINER, STAINLESS 118.000.640 32* KEY, STAINLESS 102.000.276 38* O-RING, SHAFT, VITON 116.000.218 O-RING, SHAFT, VITON 116.000.288 40* FLINGER, STAINLESS 102.000.387X 73* GASKET, CASE, FIBER 101.000.216 73* GASKET, CASE, FIBER 101.000.216 13/* SEALS: 101.000.216 89* VN-CARB/CM 101.000.216 VN-CARB/CM 101.000.216 VN-CARB/CM 101.000.216 VN-CARB/CM SEAL 118.000.410 VN-CARB/CM SEAL 118.000.410 VN-CARB/CM SEAL 118.000.410 VN-CARB/CM SEAL 118.000.410A <	2	IMPELLER, 1¼" KEYED, ENCLOSED, SPECIFY DIAMETER:	
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MOTOR, JP280/320 See 60HZ Chart 14* SHAFT SLEEVE, BRONZE 110.000.398 SHAFT SLEEVE, STAINLESS 110.000.360 25 WEAR RING, BRONZE 137.002.335 26* IMPELLER RETAINER, STAINLESS 118.000.640 32* KEY, STAINLESS 116.000.218 38* O-RING, SHAFT, BUNA 116.000.218 0-RING, SHAFT, VITON 116.000.200 71 ADAPTER, IRON, JP210/250 132.000.378X ADAPTER, IRON, JP210/250 132.000.37X 73* GASKET, CASE, FIBER 116.000.216 1½* SEALS: 101.000.196 89* VN-CARB/CM 101.000.196 VN-CARB/SIL 101.000.216 VN-CARB/CM 101.000.216 VN-CARB/SIL 101.000.196 EPDM-SIL/SIL 101.000.216 VN-CARB/CM 101.000.218 EPDM-SIL/SIL 101.000.196 EPDM-SIL/SIL 101.000.216 VN-CARB/CM SEAL 118.000.4106 VN-CARB/CM SEAL 118.000.4106 VN-CARB/CM SEAL 118.000.4106 </td <td>4</td> <td>MOTOR, JP210/250</td> <td>See 60HZ Chart</td>	4	MOTOR, JP210/250	See 60HZ Chart
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ADAPTER, IRON, JP280/320 132.000.387X 73* GASKET, CASE, FIBER 116.000.276 1¾* SEALS: 101.000.196 BN-CARB/CM 101.000.216 VN-CARB/SIL 101.000.221 VN-SIL/SIL 101.000.231 EPDM-CARB/SIL 101.000.231 EPDM-CARB/SIL 101.000.196B EPDM-SIL/SIL 137.001.555 * REPAIR KITS: BN-CARB/CM SEAL 118.000.410 VN-CARB/CM SEAL 118.000.410G VN-CARB/CM SEAL 118.000.410G VN-CARB/SIL SEAL 118.000.410B VN-CARB/SIL SEAL 118.000.410H VN-SIL/SIL SEAL 118.000.410D EPDM-SIL/SIL SEAL 118.000.410D EPDM-CARB/SIL SEAL 118.000.410C EPDM-SIL/SIL SEAL 118.000.410C EPDM-SIL/SIL SEAL 118.000.410C EPDM-SIL/SIL SEAL 118.000.410C EPDM-SIL/SIL SEAL 118.000.410E DENOTES COMPONENTS INCLUDED IN REPAIR KIT. 118.000.410E INCLUDES BRONZE WEAR RING. FOR STEEL WEAR RING, REPLACE SUFFIX 118.000.410E	71	ADAPTER, IRON, JP210/250	132.000.378X
1¾" SEALS: 101.000.196 BN-CARB/CM 101.000.216 VN-CARB/SIL 101.000.221 VN-CARB/SIL 101.000.231 EPDM-CARB/SIL 101.000.196B EPDM-SIL/SIL 101.000.196B EPDM-SIL/SIL 101.000.196B EPDM-SIL/SIL 101.000.196B EPDM-SIL/SIL 137.001.555 * REPAIR KITS: 118.000.410 VN-CARB/CM SEAL 118.000.410G VN-CARB/CM SEAL 118.000.410A VN-CARB/SIL SEAL 118.000.410B VN-CARB/SIL SEAL 118.000.410B VN-SIL/SIL SEAL 118.000.410D EPDM-CARB/SIL SEAL 118.000.410D VN-SIL/SIL SEAL 118.000.410D EPDM-CARB/SIL SEAL 118.000.410D EPDM-CARB/SIL SEAL 118.000.410C EPDM-CARB/SIL SEAL 118.000.410C EPDM-SIL/SIL SEAL 118.000.410C	7.1	ADAPTER, IRON, JP280/320	132.000.387X
BN-CARB/CM 101.000.196 VN-CARB/CM 101.000.216 VN-CARB/SIL 101.000.221 VN-SIL/SIL 101.000.231 EPDM-CARB/SIL 101.000.196B EPDM-SIL/SIL 101.000.196B EPDM-SIL/SIL 137.001.555 ⁰ REPAIR KITS: 118.000.410 VN-CARB/CM SEAL 118.000.410G VN-CARB/CM SEAL 118.000.410A VN-CARB/CM SEAL 118.000.410A VN-CARB/CM SEAL 118.000.410A VN-CARB/SIL SEAL 118.000.410B VN-CARB/SIL SEAL 118.000.410B VN-SIL/SIL SEAL 118.000.410D EPDM-CARB/SIL SEAL 118.000.410D EPDM-CARB/SIL SEAL 118.000.410D EPDM-CARB/SIL SEAL 118.000.410D EPDM-CARB/SIL SEAL 118.000.410C EPDM-CARB/SIL SEAL 118.000.410C EPDM-SIL/SIL SEAL 118.000.410C	73*	GASKET, CASE, FIBER	116.000.276
89* VN-CARB/CM 101.000.216 89* VN-CARB/SIL 101.000.221 VN-SIL/SIL 101.000.231 EPDM-CARB/SIL 101.000.196B EPDM-SIL/SIL 137.001.555 * REPAIR KITS: BN-CARB/CM SEAL 118.000.410 VN-CARB/CM SEAL (S) 118.000.410G VN-CARB/SIL SEAL 118.000.410A VN-CARB/SIL SEAL (S) 118.000.410A VN-CARB/SIL SEAL (S) 118.000.410B VN-SIL/SIL SEAL (S) 118.000.410D EPDM-SIL/SIL SEAL (S) 118.000.410D EPDM-CARB/SIL SEAL 118.000.410E VN-SIL/SIL SEAL (S) 118.000.410D EPDM-CARB/SIL SEAL 118.000.410E DENOTES COMPONENTS INCLUDED IN REPAIR KIT. 118.000.410E INCLUDES BRONZE WEAR RING. FOR STEEL WEAR RING, REPLACE SUFFIX "X" WITH "X1" THE REPAIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT THE (S) INDICATED, NDICATED,		1¾" SEALS:	
89* VN-CARB/SIL 101.000.221 VN-SIL/SIL 101.000.231 EPDM-CARB/SIL 101.000.196B EPDM-SIL/SIL 137.001.555 * REPAIR KITS: 118.000.410G VN-CARB/CM SEAL 118.000.410G VN-CARB/CM SEAL 118.000.410G VN-CARB/CM SEAL 118.000.410G VN-CARB/CM SEAL 118.000.410G VN-CARB/SIL SEAL 118.000.410G VN-CARB/SIL SEAL 118.000.410B VN-SIL/SIL SEAL (S) 118.000.410D VN-SIL/SIL SEAL 118.000.410D EPDM-CARB/SIL SEAL 118.000.410C EPDM-CARB/SIL SEAL 118.000.410E DENOTES COMPONENTS INCLUDED IN REPAIR KIT. 118.000.410E DENOTES BRONZE WEAR RING. FOR STEEL WEAR RING, REPLACE SUFFIX "X" WITH "X1" THE REPAIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT THE (S) INDICATED, NDICATED,		BN-CARB/CM	101.000.196
VN-SIL/SIL 101.000.231 EPDM-CARB/SIL 101.000.196B EPDM-SIL/SIL 137.001.555 * REPAIR KITS: 118.000.410 VN-CARB/CM SEAL 118.000.410G VN-CARB/CM SEAL 118.000.410G VN-CARB/CM SEAL 118.000.410G VN-CARB/CM SEAL 118.000.410B VN-CARB/SIL SEAL 118.000.410B VN-SIL/SIL SEAL 118.000.410D VN-SIL/SIL SEAL 118.000.410D EPDM-CARB/SIL SEAL 118.000.410D VN-SIL/SIL SEAL 118.000.410D EPDM-CARB/SIL SEAL 118.000.410E DENOTES COMPONENTS INCLUDED IN REPAIR KIT. 118.000.410E DENOTES COMPONENTS INCLUDED IN REPAIR KIT. 118.000.410E VIN-SIL/SIL SEAL 118.000.410E DENOTES COMPONENTS INCLUDED IN REPAIR KIT. 118.000.410E THE REPAIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT THE (S) INDICATED, "X" WITH "X1"		VN-CARB/CM	101.000.216
EPDM-CARB/SIL 101.000.196B EPDM-SIL/SIL 137.001.555 * REPAIR KITS: 118.000.410 VN-CARB/CM SEAL 118.000.410G VN-CARB/CM SEAL (S) 118.000.410G VN-CARB/CM SEAL 118.000.410A VN-CARB/SIL SEAL 118.000.410B VN-CARB/SIL SEAL 118.000.410B VN-SIL/SIL SEAL (S) 118.000.410D EPDM-CARB/SIL SEAL 118.000.410D EPDM-CARB/SIL SEAL 118.000.410D EPDM-CARB/SIL SEAL 118.000.410C EPDM-SIL/SIL SEAL 118.000.410E DENOTES COMPONENTS INCLUDED IN REPAIR KIT. 118.000.410E INCLUDES BRONZE WEAR RING. FOR STEEL WEAR RING, REPLACE SUFFIX "X" WITH "X1" THE REPAIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT THE (S) INDICATED, "X" WITH "X1"	89*	VN-CARB/SIL	101.000.221
EPDM-SIL/SIL137.001.555 ^o REPAIR KITS: BN-CARB/CM SEAL BN-CARB/CM SEAL 118.000.410 VN-CARB/CM SEAL 118.000.410G VN-CARB/CM SEAL 118.000.410A VN-CARB/CM SEAL 118.000.410A VN-CARB/SIL SEAL 118.000.410B VN-SIL/SIL SEAL 118.000.410H VN-SIL/SIL SEAL 118.000.410D EPDM-CARB/SIL SEAL 118.000.410C EPDM-SIL/SIL SEAL 118.000.410C EPDM-SIL/SIL SEAL 118.000.410E DENOTES COMPONENTS INCLUDED IN REPAIR KIT. 118.000.410E INCLUDES BRONZE WEAR RING. FOR STEEL WEAR RING, REPLACE SUFFIX "X" WITH "X1" THE REPAIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT THE (S) INDICATED,		VN-SIL/SIL	101.000.231
^o REPAIR KITS: ^h REPAIR KITS: BN-CARB/CM SEAL ^{118.000.410} VN-CARB/CM SEAL (S) ^{118.000.410G} VN-CARB/CM SEAL ^{118.000.410A} VN-CARB/SIL SEAL ^{118.000.410B} VN-SIL/SIL SEAL (S) ^{118.000.410B} VN-SIL/SIL SEAL (S) ^{118.000.410D} PDM-CARB/SIL SEAL ^{118.000.410D} EPDM-CARB/SIL SEAL ^{118.000.410D} DENOTES COMPONENTS INCLUDED IN REPAIR KIT. ^{118.000.410E} INCLUDES BRONZE WEAR RING. FOR STEEL WEAR RING, REPLACE SUFFIX ["] X" WITH "X1" THE REPAIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT THE (S) INDICATED,		EPDM-CARB/SIL	101.000.196B
BN-CARB/CM SEAL118.000.410VN-CARB/CM SEAL (S)118.000.410GVN-CARB/CM SEAL118.000.410AVN-CARB/SIL SEAL118.000.410BVN-SIL/SIL SEAL (S)118.000.410HVN-SIL/SIL SEAL118.000.410DEPDM-CARB/SIL SEAL118.000.410CEPDM-SIL/SIL SEAL118.000.410CEPDM-SIL/SIL SEAL118.000.410EDENOTES COMPONENTS INCLUDED IN REPAIR KIT.INCLUDES BRONZE WEAR RING. FOR STEEL WEAR RING, REPLACE SUFFIX"X" WITH "X1"THE REPAIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT THE (S) INDICATED,		EPDM-SIL/SIL	137.001.555
VN-CARB/CM SEAL (S) 118.000.410G VN-CARB/CM SEAL 118.000.410A 118.000.410B VN-SIL/SIL SEAL (S) 118.000.410H VN-SIL/SIL SEAL (S) 118.000.410H VN-SIL/SIL SEAL 118.000.410D EPDM-CARB/SIL SEAL 118.000.410C EPDM-SIL/SIL SEAL 118.000.410C EPDM-SIL/SIL SEAL 118.000.410E DENOTES COMPONENTS INCLUDED IN REPAIR KIT. - INCLUDES BRONZE WEAR RING. FOR STEEL WEAR RING, REPLACE SUFFIX "X" WITH "X1" THE REPAIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT THE (S) INDICATED,			
- VN-CARB/CM SEAL VN-CARB/SIL SEAL VN-CARB/SIL SEAL VN-SIL/SIL SEAL VN-SIL/SIL SEAL EPDM-CARB/SIL SEAL EPDM-CARB/SIL SEAL EPDM-SIL/SIL SEAL DENOTES COMPONENTS INCLUDED IN REPAIR KIT. - INCLUDES BRONZE WEAR RING. FOR STEEL WEAR RING, REPLACE SUFFIX "X" WITH "X1" THE REPAIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT THE (S) INDICATED,		BN-CARB/CM SEAL	118.000.410
VN-CARB/SIL SEAL VN-SIL/SIL SEAL (S) VN-SIL/SIL SEAL (S) VN-SIL/SIL SEAL EPDM-CARB/SIL SEAL EPDM-SIL/SIL SEAL DENOTES COMPONENTS INCLUDED IN REPAIR KIT. - INCLUDES BRONZE WEAR RING. FOR STEEL WEAR RING, REPLACE SUFFIX "X" WITH "X1" THE REPAIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT THE (S) INDICATED,			118.000.410G
VN-SIL/SIL SEAL (S) 118.000.410H VN-SIL/SIL SEAL 118.000.410D EPDM-CARB/SIL SEAL 118.000.410C EPDM-SIL/SIL SEAL 118.000.410C EPDM-SIL/SIL SEAL 118.000.410E DENOTES COMPONENTS INCLUDED IN REPAIR KIT. - INCLUDES BRONZE WEAR RING. FOR STEEL WEAR RING, REPLACE SUFFIX "X" WITH "X1" THE REPAIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT THE (S) INDICATED,		VN-CARB/CM SEAL	118.000.410A
VN-SIL/SIL SEAL 118.000.410D EPDM-CARB/SIL SEAL 118.000.410C EPDM-SIL/SIL SEAL 118.000.410E DENOTES COMPONENTS INCLUDED IN REPAIR KIT. 118.000.410E INCLUDES BRONZE WEAR RING. FOR STEEL WEAR RING, REPLACE SUFFIX "X" WITH "X1" THE REPAIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT THE (S) INDICATED,		VN-CARB/SIL SEAL	118.000.410B
EPDM-CARB/SIL SEAL 118.000.410C EPDM-SIL/SIL SEAL 118.000.410E DENOTES COMPONENTS INCLUDED IN REPAIR KIT. 118.000.410E INCLUDES BRONZE WEAR RING. FOR STEEL WEAR RING, REPLACE SUFFIX "X" WITH "X1" THE REPAIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT THE (S) INDICATED,		VN-SIL/SIL SEAL (S)	118.000.410H
EPDM-SIL/SIL SEAL118.000.410EDENOTES COMPONENTS INCLUDED IN REPAIR KIT.INCLUDES BRONZE WEAR RING. FOR STEEL WEAR RING, REPLACE SUFFIX"X" WITH "X1"THE REPAIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT THE (S) INDICATED,		VN-SIL/SIL SEAL	118.000.410D
DENOTES COMPONENTS INCLUDED IN REPAIR KIT. INCLUDES BRONZE WEAR RING. FOR STEEL WEAR RING, REPLACE SUFFIX "X" WITH "X1" THE REPAIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT THE (S) INDICATED,		EPDM-CARB/SIL SEAL	118.000.410C
- INCLUDES BRONZE WEAR RING. FOR STEEL WEAR RING, REPLACE SUFFIX "X" WITH "X1" THE REPAIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT THE (S) INDICATED,			118.000.410E
"X" WITH "X1" THE REPAIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT THE (S) INDICATED,			
THE REPAIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT THE (S) INDICATED,	+ INCLUD	ES BRONZE WEAR RING. FOR STEEL WEAR RING, REPLACE S	SUFFIX
	"X" WITH	"X1"	
	° THE REF	AIR KITS INCLUDE THE BRONZE SHAFT SLEEVE EXCEPT TH	E (S) INDICATED,
	WHICH IS	S STAINLESS	

Pump 103 • Iron • JP Frame • 2900 RPM



CONSTRUCTION OPTIONS KEY PART NAME STANDARD FITTED ALL IRON				
1	Case	Iron	Iron	
2	Impeller	Iron	Iron	
14	Shaft Sleeve	Bronze	Stainless	
25	Wear Ring, Case	Bronze	Steel	
26	Impeller Retainer	Stainless	Stainless	
32	Key	Stainless	Stainless	
38	Shaft O-Ring	BUNA	BUNA	
40	Flinger	Stainless	Stainless	
71	Adapter	Iron	Iron	
73	Gasket, Case	Fiber	Fiber	
89	Mechanical Seal, Type 21 BN-CM	Standard	Standard	
Н	Plug, Drain	Brass	Plated Steel	

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