



## 6. TECHNICAL DATA:

### 6.1 Models

'DBxe' type of pumps are available in models as referred to in 1.1. Only three shaft units (driving units) are used for complete range of 'DBxe' pumps. The models covered under individual shaft units are given in interchangeability chart (Refer 6.2).

DBxe pumps are suitable for clean liquids having temperature -10 to +100° C.

### 6.2 Interchangeability Chart

INTERCHANGEABILITY CHART OF DBxe PUMP COMPONENTS																																			
PART CODE NO.	PART DESCRIPTION	QTY/PER UNIT	PUMP MODELS																																
			DRIVING UNIT 25								DRIVING UNIT 25A								DRIVING UNIT 35								DRIVING UNIT 55								
			32/13	40/13	50/13	65/13	32/20	40/20	50/20	65/20	32/16	40/16	50/16	65/16	80/16	32/26	40/26	50/26	65/26	65/32	80/20	80/26	80/32	100/20	100/26	100/32	125/26	150/26	100/40	125/32	125/40	150/32	150/40		
10500	PUMP CASING	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
15100	IMPELLER	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
18000	PUMP SHAFT	1								1																								3	
19000	WEARING RING (SUC. SIDE)	1	1	3	5	7	2	4	4	8	1	3	6	8	10	2	4	6	9	10	11	12	13	14	14	14	15	16	14	15	15	17	16		
19100	WEARING RING (DEL. SIDE)	1	3	3	7	7	19	19	19	22	3	3	21	21	25	20	20	8	23	24	26	23	24	25	26	25	26	27	28	29	28	29	30		
22000	CASING COVER	1	1	1	2	2	3	3	3	4	5	5	6	6	6	7	7	7	8	9	10	8	9	10	11	9	11	12	13	14	13	14	13		
22300	GLAND	1								1																								3	
22700	LANTERN RING	1								1																								3	
23600	DEFLECTOR	1								1																								3	
24000	BEARING HOUSING	1				1								2																				4	
25100	SUPPORT FOOT	1	1	1	1	2	2	2	2	3	1	1	2	4	3	3	3	3	3	5	2	3	6	3	5	6	6	7	8	8	9	8	9		
26000	BEARING	2								1																									3
27000	BEARING COVER (DE & NDE)	2								1																									3
31000	SHAFT SLEEVE	1								1																									3
32000	KEY FOR IMPELLER	1								1																									3
32100	KEY FOR COUPLING	1								1																									3
33800	IMPELLER SCREW	1								1																									3
43000	GLAND PACKING	4								1																									3

### 6.3 Direction of rotation

The direction of rotation is clockwise when viewed from driving end. Reverse rotation is not possible.

### 6.4 Rotation speed

All the models are suitable for speed of 1450 rpm.

Besides, following models are also suitable for nominal speed of 2900 rpm.

32/13, 40/13, 50/13, 65/13, 32/16, 40/16, 50/16, 65/16, 80/16, 32/20, 40/20, 50/20, 65/20, 80/20, 100/20, 32/26, 40/26, 50/26, 65/26, 80/26, 100/26.

Please contact the supplier or manufacturer, if the pump is to be used for other speeds than specified above.

### 6.5 Bearings

The shaft is facilitated with antifriction sealed ball bearings at driving end and non-driving end. The bearing specifications are given below. The designations of bearings are as per bearing manufacturers catalogue. However, equivalent bearings in type, capacity and dimensions are also used.

Sr.	Shaft Unit	Bearing nos. SKF or Equiv.
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