

1、 Motor Data sheets- Seawater Transfer Pump

1. Name of motor	-	Motor Of Seawater Transfer Pump
2. Manufacturer	-	SIEMENS
3. Country of origin	-	China
4. Type/machine code	-	1LE0001-1DA33-3AA4-Z
5. Applied standard (characteristics)	-	IEC
6. Ratings		
(1) Rated output	kW	15
(2) Service factor	-	1.0
(3) Number of pole	-	2P
(4) Rated speed	rpm	2935rpm
(5) Rated voltage	V	380V
(6) Number of phases		3
(7) Rated frequency	Hz	50
(8) Insulation class	-	F
(9) Temperature rise	-	B
(10) Rated duty		S1
7. Service Conditions	-	
(1) Starting method	-	DOL
(2) Direction of rotation (viewed from DE)	-	C.W.
(3) Reverse rotation (Yes / No)	-	No
(4) Location (Indoor / Outdoor)		Outdoor
(5) Enclosure IP rating	-	
(a) Motor frame	-	IP55
(b) Terminal boxes	-	IP55
(6) Installation (Horizontal / Vertical)		Horizontal
(7) Design ambient temperature	°C	40
(8) Explosion proof (Required / Not required)		No
(9) Noise level (at full-load condition)	dB (A)	67
8. Characteristics		
(1) Current		
(a) Normal current	A	29.5
(b) No-load current	A	-

(c) Starting current	A	221.25
(2) Torque	Nm	48.8
(a) Starting torque	Nm	117.12
(b) Maximum torque	Nm	156.16
(3) Slip at rated output	%	-
(4) Efficiencies		
(a) At 100% load	%	90.3
(b) At 75% load	%	91
(c) At 50% load	%	-
(d) At 25% load	%	-
(5) Power factor		
(a) At rated load	%	86
(b) At starting load	%	-
(6) GD2 coupled with driven equipment	kg-m ²	-
(7) Starting time with driven equipment	s	-
(8) Allowable number of starts		
(a) From cold condition per hour	-	3
(b) From hot condition per hour	-	2
(c) Minimum time between 2 starts (running state)	min	30
(d) Minimum time between 2 starts (stop state)	min	5
(9) Allowable locked-rotor time	s	-
(a) At cold condition	s	-
(b) At hot condition		-
9. Constructions		
(1) Stator winding connection (Wye / Delta)	-	Delta
(2) Type of bearing (DE / NDE)	-	6209 2Z C3/6209 2Z C3
(3) Lubricants		
(a) Recommended lubricant and brand name	-	Unirex N3
(b) Pouring method	-	Oil filler hole
(c) Quantity of lubricant for initial filling	-	
(d) Recommended interval for recharging	h	8000
(e) Recharging quantity	g	40
(f) Location of pouring (indicated in the outline drawing)	-	
(4) Bearing cooling water requirement (if required)		NO
(a) Quantity	m ³ /h	-
(b) Inlet water temperature	°C	-
(c) Required cooling water pressure	kPa	-
(d) Type of cooling water	-	-

(5) Water to air heat exchanger (if applied)		NO
(a) Quantity of cooling water	m ³ /h	-
(b) Inlet water temperature	°C	-
(c) Required cooling water pressure	kPa	-
(d) Type of cooling water	-	-
(6) Space heater (AC 220V 1 phase)	W	-
(7) Weight	kg	225
10. Attached document numbers		
(1) Motor outline drawing	-	-
(2) Terminal box drawings	-	-
(a) For main power	-	-
(b) For instruments	-	-
(c) For space heater	-	-
(3) Current transformers (for MV motors only)		
(a) Characteristics curves	-	-
(b) Outline drawing	-	-
(4) Efficiency curves	-	-
(5) Thermal capability curves		
(a) At cold condition	-	-
(b) At hot condition	-	-
(6) Starting and speed torque characteristics at 80%, 90% and 100% voltage	-	-