7、Motor Data sheets- Waste Water Pump

1. Name of motor	-	Motor Of Waste Water Pump
2. Manufacturer	-	SIEMENS
3. Country of origin	-	China
4. Type/machine code	-	1LE0001-1CA13-3GA4-Z
5. Applied standard (characteristics)	-	IEC
6. Ratings		
(1) Rated output	kW	7.5
(2) Service factor	-	1.0
(3) Number of pole	-	2P
(4) Rated speed	rpm	2930
(5) Rated voltage	V	380
(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)		Indoor
(5) Enclosure IP rating	-	
(a) Motor frame	-	IP55
(b) Terminal boxes	-	IP55
(6) Installation (Horizontal / Vertical)	°C	Horizontal
(7) Design ambient temperature	-	40
(8) Explosion proof (Required / Not required)		No
(9) Noise level (at full-load condition)	dB (A)	66
8. Characteristics		
(1) Current		
(a) Normal current	A	14.5
(b) No-load current	A	-

(c) Starting current	A	108.75
(2) Torque		24.4
(a) Starting torque		56.12
(b) Maximum torque		70.76
(3) Slip at rated output	%	-
(4) Efficiencies		
(a) At 100% load	%	88.1
(b) At 75% load	%	-
(c) At 50% load	%	-
(d) At 25% load	%	-
(5) Power factor		
(a) At rated load	%	89
(b) At starting load	%	-
(6) GD2 coupled with driven equipment	kg-m2	-
(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	10
(d) Minimum time between 2 starts (stop state)	min	30
(9) Allowable locked-rotor time		
(a) At cold condition	s	-
(b) At hot condition	s	-
9. Constructions		-
(1) Stator winding connection (Wye / Delta)		
(2) Type of bearing (DE / NDE)	-	Delta
(3) Lubricants	-	6208 2RZ C3/6208 2RZ C3
(a) Recommended lubricant and brand name		-
(b) Pouring method	-	
(c) Quantity of lubricant for initial filling	-	-
(d) Recommended interval for recharging	-	-
(e) Recharging quantity	-	-
(f) Location of pouring	-	-
(indicated in the outline drawing)		-
(4) Bearing cooling water requirement (if required)		NO
(a) Quantity	-	-
(b) Inlet water temperature	-	-
(c) Required cooling water pressure	-	-
(d) Type of cooling water		-

(5) Water to air heat exchanger (if applied)		NO
(a) Quantity of cooling water	h	-
(b) Inlet water temperature	g	-
(c) Required cooling water pressure		-
(d) Type of cooling water	W	-
(6) Space heater (AC 220V 1 phase)	kg	170
(7) Weight		
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	-	-