

TJB 5&6 Equipment No. (KKS No.) List

Note: "5", shall be "5" for Unit5 or "6" for Unit6.

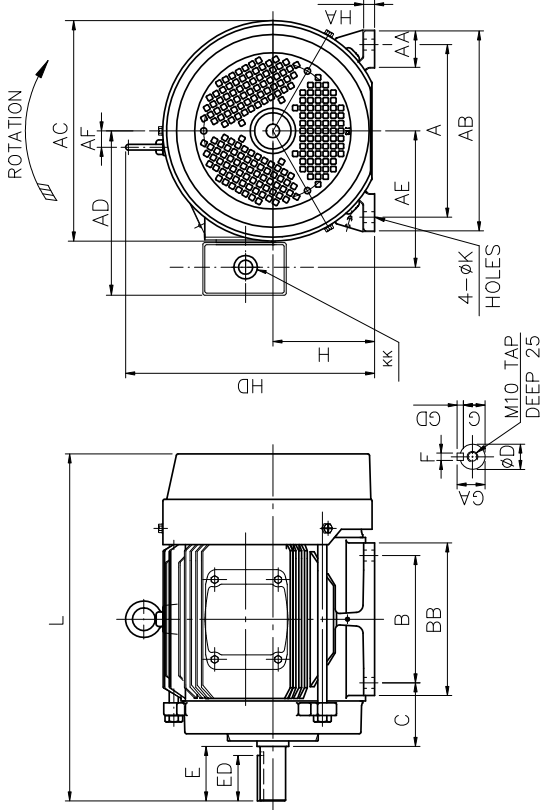
Application	Description
BEPT A OCFP	*0LA V91AP001-M01 BEPT A OIL CONDITIONER FILTER PUMP MOTOR
BEPT B OCFP	*0LA V92AP001-M01 BEPT B OIL CONDITIONER FILTER PUMP MOTOR

OUTLINE 3-PHASE INDUCTION MOTOR	TOTALLY ENCLOSED FAN COOLED,SQUIRREL CAGE ROTOR (WMP-90)		FILE NO:
	CUSTOMER: T O J PO. NO:		
ORDER NO: 1010123282-10			

OUTPUT	POLE	SYN. SPEED	VOLT.	FREQ	INSUL. RATING	TIME RATING	MODEL	FRAME NO.
1.5kW	6P	1000 R.P.M	380 V	50 Hz	F	S1	FPFC	112M

** IE2 EFFICIENCY ** IP44
 ** PAINTING: ZINC PRIMER 80um, EPOXY INTERMEDIATE 150um,PU FINISH 40um
 ** COLOR:RAL 5021
 ** NOISE LEVEL: 79 dBA AT 1 METER ON NO-LOAD
 ** WITH TERMINAL BLOCK
 ** NDE: INSULATED BEARING

APPLICATION
 BEPT OIL CONDITIONER FILTER PUMP MOTOR



A	B	C	H	φK	L	AA	AB	AC	AD	AE	AF	HA
190	140	70	112	12	382	40	220	243	186	150	18	168

HD	HF	φKK	SHAFT END				BEARING NO.		APPROX WEIGHT			
			E	F	G	GD	GA	D.E		O.D.E		
274	--	NPT1"	28	60	8	24	7	31	6207ZZ	6206	6206	52kg

NOTE:1.TOLERANCE OF SHAFT END DIAMETER D: j6 (+0.009, -0.004)
 2.TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -0.5

CERTIFIED BY :		DATE :	
DESIGNED	Demmy WANG	Apr.23, 2018	DWG. NO: AS-071220
CHECKED	L.J.Lee	Apr.23, 2018	3RD ANGLE PROJECTION
APPROVED	L.J.Lee	Apr.23, 2018	DIMENSIONS IN mm



Motor Data Sheet

No.	Description	Unit	Manufacturer's Design Data
1.	Name of Motor	-	BFPT A/B OIL CONDITIONER FILTER PUMP MOTOR
2.	Manufacturer	-	TATUNG
3.	Country of Origin	-	TAIWAN
4.	Type/Machine Code	-	TEFC
5.	Applied Standard (characteristics)	-	IEC 60034
6.	Ratings		
6. (1)	Rated output	kW	1.5
6. (2)	Service factor	-	1.0
6. (3)	Number of pole	-	6
6. (4)	Rated speed	min ⁻¹	960
6. (5)	Rated voltage	V	380
6. (6)	Number of phases	-	3
6. (7)	Rated frequency	Hz	50
6. (8)	Insulation class	-	F
6. (9)	Temperature rise	-	B
6. (10)	Rated duty	-	S1
7.	Service Conditions		
7. (1)	Starting method	-	Direct-On-Line
7. (2)	Direction of rotation (viewed from DE (Drive End))	-	CCW
7. (3)	Reverse rotation (Yes / No)	-	YES
7. (4)	Location (Indoor / Outdoor)	-	INDOOR
7. (5)	Enclosure IP rating		
7. (5) (a)	Motor frame	-	IP44
7. (5) (b)	Terminal boxes	-	IP44
7. (6)	Installation (Horizontal / Vertical)	-	HORIZONTAL
7. (7)	Design ambient temperature	deg C	40
7. (8)	Explosion proof (Yes / No)	-	NO
7. (9)	Noise level (at full-load condition, at 1m from motor frame)	dB(A)	82
7. (10)	Winding resistance	Ω	3.8953 (@20°C)
8.	Characteristics		
8. (1)	Current		
8. (1) (a)	Normal current	A	4.1
8. (1) (b)	No-load current	A	2.53
8. (1) (c)	Starting current	A	28.5
8. (2)	Torque		
8. (2) (a)	Starting torque	%	290
8. (2) (b)	Maximum torque	%	340
8. (3)	Slip at rated output	%	4.0
8. (4)	Efficiencies		
8. (4) (a)	At 100% load	%	85.0
8. (4) (b)	At 75% load	%	85.0
8. (4) (c)	At 50% load	%	83.5
8. (4) (d)	At 25% load	%	77.0
8. (5)	Power factor		
8. (5) (a)	At rated load	%	66.0
8. (5) (b)	At starting load	%	27.5
8. (6)	GD ² coupled with driven equipment	kg-m ²	0.076
8. (7)	Starting time with driven equipment	sec	1

Motor Data Sheet

No.	Description	Unit	Manufacturer's Design Data
8. (8)	Consecutive numbers of motor starting		
8. (8) (a)	From cold condition (consecutive)	-	3
8. (8) (b)	From hot condition (consecutive)	-	2
8. (8) (c)	Minimum time between 2 starts (running state)	min	-
8. (8) (d)	Minimum time between 2 starts (stop state)	min	-
8. (9)	Allowable locked-rotor time		
8. (9) (a)	At cold condition	sec	12
8. (9) (b)	At hot condition	sec	7
9.	Constructions		
9. (1)	Stator winding connection (Wye / Delta)	-	WYE
9. (2)	Type of bearing		
	Bearing of DE (Drive End)	-	SEALED BALL
	Bearing of NDE (Non Drive End)	-	SEALED BALL
9. (3)	Lubricants		N/A
9. (3) (a)	Recommended lubricant and brand name	-	-
9. (3) (b)	Pouring method (if applicable)	-	-
9. (3) (c)	Quantity of lubricant for initial filling (if applicable)	g	-
9. (3) (d)	Recommended interval for recharging (if applicable)	hr	-
9. (3) (e)	Recharging quantity (if applicable)	g	-
9. (3) (f)	Location of pouring (indicated in the outline drawing) (if applicable)	-	-
9. (4)	Bearing cooling water requirement (if required)		N/A
9. (4) (a)	Quantity (if required)	m ³ /h	-
9. (4) (b)	Inlet water temperature (if required)	deg C	-
9. (4) (c)	Required cooling water pressure (if required)	kPa	-
9. (4) (d)	Type of cooling water (if required)	-	-
9. (5)	Water to air heat exchanger (if applicable)		N/A
9. (5) (a)	Quantity of cooling water (if applicable)	m ³ /h	-
9. (5) (b)	Inlet water temperature (if applicable)	deg C	-
9. (5) (c)	Required cooling water pressure (if applicable)	kPa	-
9. (5) (d)	Type of cooling water (if applicable)	-	-
9. (6)	Space heater (AC 220V 1 phase) (if applicable)	W	N/A
9. (7)	Weight	kg	52
10.	Related Document Numbers		
10. (1)	Motor outline drawing	-	AS071220
10. (2)	Terminal box drawings		-
10. (a)	For main power	-	N/A
10. (b)	For instruments	-	N/A
10. (c)	For space heater	-	N/A
10. (3)	Current transformers (for MV motors only)		N/A
10. (a)	Characteristics curves (for MV motors only)	-	-
10. (b)	Outline drawing (for MV motors only)	-	-
10. (4)	Efficiency curves	-	N/A
10. (5)	Thermal capability curves		N/A
10. (a)	At cold condition	-	-
10. (b)	At hot condition	-	-
(6)	Starting and speed torque characteristics at 80, 90 and 100 % voltage	-	N/A