

INDUCTION MOTOR DATA SHEET

PROJECT No.	2962
MODEL No.	24TEFCFEB
L-SPEC No.	DSML21680H

SHEET 1 OF 1	CUSTOMER	
FOR INFORMATION	JOB NO.	ITEM No.
SERVICE	SITE	QUANTITY

GENERAL DATA		PERFORMANCE DATA	
FRAME No.	100L	OUTPUT	1.5 kW
TYPE	TEFC	POLES	6 P
ENCLOSURE	TE	ROTOR TYPE	SQUIRREL CAGE
COOLING METHOD	FC(IC411)	STARTING METHOD	DIRECT ON LINE
INSULATION CLASS	F CLASS	PHASE	3 PHASE
TEMP. RISE AT FULL LOAD		FREQUENCY	60 Hz
RES. METHOD	80 K (at S.F.:1.0)	SPEED (AT FULL LOAD)	1150 r/min
RATING	S1	PRIMARY	
LOCATION	INDOOR	VOLTAGE	440 V
ALTITUDE	LESS THAN 1000 m	NO LOAD CURRENT	2.4 A
HUMIDITY	LESS THAN 80 %	FULL LOAD CURRENT	3.5 A
AMBIENT TEMP.	40 °C	LOCKED-ROTOR CURRENT	640 %
EXPLOSION PROOF TYPE	N/A	EFFICIENCY	
MOUNTING	B3	AT 1/2 LOAD	87.3 %
BEARING TYPE	ANTI-FRICTION	AT 3/4 LOAD	88.6 %
NDE/DE BRG. No.	6205ZZ / 6206ZZ	AT FULL LOAD	88.5 %
BRG. LUBRICATION	N/A	POWER FACTOR	
PROTECTION GRADE	IP55	AT 1/2 LOAD	49.0 %
SERVICE FACTOR	1.15	AT 3/4 LOAD	59.0 %
DRIVE	DIRECT COUPLED	AT FULL LOAD	64.0 %
SHAFT		TORQUE	
EXTENSION	SINGLE	FULL LOAD	1.27 kg-m
EXTERNAL THRUST	N/A		12.5 N-m
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)		LOCKED ROTOR	160 %
NO-LOAD	N/A	BREAKDOWN	260 %
VIBRATION	N/A	MOTOR GD ²	0.057 kg-m ²
NUMBER OF CONSECUTIVE STARTS	N/A	MAX LOAD GD ² AT MOTOR SHAFT	12.1 kg-m ²
ROTATION(VIEWED FROM DE)	C.C.W	MOTOR APPROX. WEIGHT	43 kg
		PAINTING	0.5PB 3.2/4.4 (URETHANE)

ACCESSORIES (OPTIONAL)		SUBMITTAL DRAWINGS	
TEMPERATURE DETECTOR		OUTLINE DIMENSION	ES1AS40103
WINDING	NO	CONDUIT BOX & COVER	ES1B100802
TYPE	-	SPEED-TORQUE & CURRENT CURVE	DSML21680H
BEARING	NO	THERMAL LIMIT & TIME-CURRENT CURVE	DSML21680H
TYPE	-	LOAD vs POWER FACTOR & EFFICIENCY	DSML21680H
SPACE HEATER	NO	<REMARKS> 1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE. 2. PREMIUM EFFICIENCY TYPE MOTOR	
RATING	-		

APPLICATION STANDARDS	IEC60034-1, ISO 3746			
<NOTE> 1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLERANCE OF APPLICATION STANDARD. 2. EXCEPT FOR STATEMENTS SPECIFIED ON THIS SHEET, ANYTHING ELSE SHALL BE IN ACCORDANCE WITH MAKER STANDARD 3. THE TEMPERATURE MEASURED AT BEARING HOUSING DOES NOT EXCEED 105°C.				
REV. NO	DATE	PREPARED	CHECKED	APPROVED
1	2026-03-10	S.U.LEE	J.H.CHA	Y.J.PARK