

MITSUBISHI ELECTRIC AUTOMATION (THAILAND) CO., LTD.
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MOTOR SPECIFICATION SHEET

: SCF-QR 1/3HP 4P MODEL USED FOR : STANDARD

DESCRIPTION			DETAIL			
PHASE	1					
TYPE	CAPACITOR START					
MODEL NAME	SCF-QR					
RATED OUTPUT, HP (kW)	1/3 (0.25)					
POLE	4					
CODE	MEATH CODE : 1M001C-400030QREU1					
OUTLINE DRAWING NO.	ONM74O538-A					
RATED VOLTAGE (V)	220	230	220			
RATED FREQUENCY (Hz)	50	50	60			
RATED CURRENT (A)	3.1	3.2	2.7			
RATED SPEED (min ⁻¹)	1420	1425	1710			
THERMAL CLASS	155(F)			•	•	
RATING	S1 (CONTINUOUS)					
ENCLOSURE CONSTRUCTION	TOTALLY ENCLOSE	D FAN COOLED				
DEGREES OF PROTECTION	IP55					
METHOD OF COOLING	IC411					
FRAME NO.	B71					
WEIGHT (kg)	8.4					
STANDARD	JEC-2137-2000	JEC-2137-2000				
INSTALLATION	FOOT MOUNTED					
ROTATION	CCW (VIEWED FRO	M SHAFT END)				
BEARING	LOAD SIDE : 6202ZZ					
	OPPOSITE SIDE : 6201ZZ					
BEARING GREASE	UREA GREASE					
NOISE (db.A)	63					
VIBRATION	V20					
CIRCUMSTANCE	AMBIENT TEMPERA	AMBIENT TEMPERATURE : -20 ~ +40°C				
CONDITION	AMBIENT HUMIDITY : 95%RH OR LESS					
	ABOVE SEA LEVEL : 1000m OR LESS					
	ENVIRONMENT : NO BURSTING/EROSIVE GAS OR VAPOR					
COLOR	MUNSELL N1.5 (BL/	,				
TERMINAL BOX	NO. OF LEAD WIRES : 2					
	SOURCE CONNECTION : TERMINAL BLOCK					
SHAFT SWING	≤0.03mm					
MATERIAL		: STEEL PLATE				
	BRACKET : STEEL PLATE					
	SHAFT : CARBON STEEL STATOR CORE : ELECTRICAL STEEL					
WIRE : ENAMELLED COPPER MAGNET WIRE ROTOR CORE : ELECTRICAL STEEL CONDUCTOR : ALUMINIUM						
TERMINAL BOX : STEEL PLATE PAINTING : POLYURETHANE RESIN						

Specifications subject to change without notice.

SPECIFICATION SHEET NO.		
SS-N-7165-B		

MODEL SCF-QR SINGLE PHASE INDUCTION MOTOR OUTLINE DRAWING

CAPACITOR START TYPE
TOTALLY ENCLOSED FAN COOLED
DEGREES OF PROTECTION IP55
DUST & WATER JET PROOF

STARTING CAPACITOR 80 µF 250 VAC

CUSTOMER

USER
FOR
CUSTOMER'S
ORDER NO.
QUANTITY
MFG.
ORDER NO.

ROTATION 254.5 143 134.5 120 101.5 3 30 148 25 (NAME PLATE) MITSUBISHI ELECTRIC NAME **PLATE** 14.5 36 OF1/2 SCREW 45 45 56 56 Ø14j6 +0.008 110 148 18 BLUE BLUE POWER **POWER** SOURCE SOURCE BLACK BLACK MOTOR LEAD WIRE FRAME FOOT AS COUNTER CLOCKWISE **VIEWED FROM BELOW** CLOCKWISE

DIRECTION OF ROTATION FROM LOAD SIDE

FRAME RATING	TH. AM	AMB.	BEARINGS		COLOR	DIRECTION OF	NO. OF	
SIZE	INATING	CLASS TEMP LOAD SIDE OPP SIDE		COLOR	ROTATION	LEAS WIRE		
B71	S1	155(F)	40°C	6202ZZ	6201ZZ	BLACK (MUNSELL N1.5)	ccw	2 WITH TERMINAL BOARD
OUT	OUTDUT							
001	OUTPUT		VOLT		HERTZ	AMP	RPM	REMARK
HP	kW	. 022		V 0 2 1	TIERTIZ	7 (1711	TXI IVI	T CLIVID II II I
1/3	1/3 0.25		20/230	50	3.1/3.2	1420/1425		
1/3			+		220	60	2.7	1710

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	OUTLINE DRAWING NO.			
DIMENSION IN mm.	\bigcirc N M 7 1 \bigcirc 5 3 8	Δ		
SCALE : NTS	O N W 7 4 O 3 3 0			