

MITSUBISHI ELECTRIC AUTOMATION (THAILAND) CO., LTD.

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MOTOR SPECIFICATION SHEET

MODEL : SCF-QR 1/2HP 4P USED FOR : STANDARD

USED FOR : STANDARD												
DESCRIPTION	DETAIL											
PHASE	1											
TYPE	CAPACITOR START											
MODEL NAME	SCF-QR											
RATED OUTPUT, HP (kW)	1/2 (0.4)											
POLE	4											
CODE	MEATH CODE	: 1M001C-400040	QREU1									
OUTLINE DRAWING NO.	ONM84O540-*											
RATED VOLTAGE (V)	220	230	220									
RATED FREQUENCY (Hz)	50	50	60									
RATED CURRENT (A)	4.1	4.2	3.6									
RATED SPEED (min-1)	1430	1435	1720									
RATED EFFICIENCY (%)	66.8	66.8	70.0									
EFFICIENCY CLASS	IE1											
THERMAL CLASS	155(F)											
RATING	S1 (CONTINUOUS)	· /										
ENCLOSURE CONSTRUCTION	TOTALLY ENCLOSE	OTALLY ENCLOSED FAN COOLED										
DEGREES OF PROTECTION	IP55											
METHOD OF COOLING	IC411	2411										
FRAME NO.	80M											
WEIGHT (kg)	12.3											
STANDARD	JEC-2137-2000											
EFFICIENCY RULE	IEC 60034-30-1											
INSTALLATION	FOOT MOUNTED											
ROTATION	CCW (VIEWED FRO	M SHAFT END)										
BEARING	LOAD SIDE : 6203ZZ											
	OPPOSITE SIDE : 6202ZZ											
BEARING GREASE	UREA GREASE											
NOISE (db.A)	63											
VIBRATION	V20											
CIRCUMSTANCE	AMBIENT TEMPERA	TURE : -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 (BLA	CK)										
TERMINAL BOX	NO. OF LEAD WIRES : 2											
	SOURCE CONNECTION : TERMINAL BLOCK											
SHAFT SWING	≤0.03mm											
MATERIAL	FRAME : STEEL PLATE											
	BRACKET : ALUMINIUM											
	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											
PRODUCTION COUNTRY	THAILAND											

Specifications subject to change without notice.

SPECIFICATION SHEET NO.		
SS-N-8167-A		

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

305.3

CUSTOMER USER FOR CUSTOMER'S ORDER NO. QUANTITY

MFG. ORDER NO.

ROTATION

1 161.3 148 118.3 40 161.6 28 (NAME PLATE) NAME PLATE Ð MITSUBISHI 163 21.3 21/2/8 130 165 Ø16j6+0:008

> DIRECTION OF ROTATION FROM LOAD SIDE

CLOCKWISE

- MOTOR LEAD WIRE -

COUNTER CLOCKWISE

BLUE

BLACK

FRAME FOOT AS VIEWED FROM BELOW

FRAME SIZE	RATING	TH. CLASS	AMB. TEMP.	BEARINGS LOAD SIDE OPP. SIDE			COLOR	DIRECTION OF ROTATION	NO. OF LEAD WIRE		
80M	S1	155(F)		20/18 0182 0111		6202ZZ	BLACK (MUNSELL N1.5)	CCW	2 WITH TERMINAL BOARD		
OUT	PUT	POLE	VOL	Т	HERTZ	AMP	RPM	IE CODE – RATED EFF.	REMARK		
HP	kW		VOLI		TILIVIZ	AIVII	TXT IVI	IE COBE - NATED EIT.	INCIVIATION		
1 /2	2 0.4 4		220/2	230	50	4.1/4.2	1430/1435	IE1-66.8%/IE1-66.8%			
1/2 0.4		4	220		60	3.6	1720	IE1-70.0%			

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	OUTLINE DRAWING NO.								REV.	
DIMENSION IN mm.		NI	Ν /	0	1	\bigcirc	\sqsubseteq	1	\cap	
SCALE : NTS			IVI	\bigcirc	<u>+</u>	\cup	\mathcal{O}	4	\cup	