

**MOTOR SPECIFICATION SHEET**

MODEL : SCL-QR 7.5HP 4P

USED FOR : STANDARD

DESCRIPTION	DETAIL			
PHASE	1			
TYPE	CAPACITOR START AND RUN			
MODEL NAME	SCL-QR			
RATED OUTPUT, HP (kW)	7.5 (5.5)			
POLE	4			
CODE	MEATH CODE : 1M001D-400550QRES0			
OUTLINE DRAWING NO.	ONM24O064-*			
RATED VOLTAGE (V)	220	230	220	
RATED FREQUENCY (Hz)	50	50	60	
RATED CURRENT (A)	31.0	30.0	30.0	
RATED SPEED (min <sup>-1</sup> )	1450	1450	1740	
RATED EFFICIENCY (%)	86.0	86.0	87.0	
THERMAL CLASS	155(F)			
RATING	S1 (CONTINUOUS)			
ENCLOSURE CONSTRUCTION	DRIP-PROOF			
DEGREES OF PROTECTION	IP22			
METHOD OF COOLING	IC01			
FRAME NO.	132M			
WEIGHT (kg)	58.0			
STANDARD	JEC-2137-2000			
EFFICIENCY RULE	IEC 60034-30-1			
INSTALLATION	FOOT MOUNTED			
ROTATION	CCW (VIEWED FROM SHAFT END)			
BEARING	LOAD SIDE : 6308ZZ			
	OPPOSITE SIDE : 6207ZZ			
BEARING GREASE	UREA GREASE			
VIBRATION	V20			
CIRCUMSTANCE CONDITION	AMBIENT TEMPERATURE : -20 ~ +40°C			
	AMBIENT HUMIDITY : 85%RH OR LESS			
	ABOVE SEA LEVEL : 1000m OR LESS			
	ENVIRONMENT : NO BURSTING/EROSIVE GAS OR VAPOR			
COLOR	MUNSELL N1.5 (BLACK)			
TERMINAL BOX	NO. OF LEAD WIRES : 4			
	SOURCE CONNECTION : LEAD WIRES			
INSULATION RESISTANCE	BY DC 500V MEGGER - ≥100MΩ			
DIELECTRIC TEST	AC 50Hz 1500V - 1min. (Based on rated voltage 220V)			
SHAFT SWING	≤0.03mm			
MATERIAL	FRAME : STEEL PLATE			
	BRACKET : ALUMINIUM			
	SHAFT : CARBON STEEL			
	STATOR CORE : ELECTRICAL STEEL			
	WIRE : ENAMELLED COPPER MAGNET WIRE			
	INSULATOR : POLYESTER FILM SATURATED WITH RESIN			
	VARNISH : EPOXY DENATURALIZATION POLYESTER			
	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.**

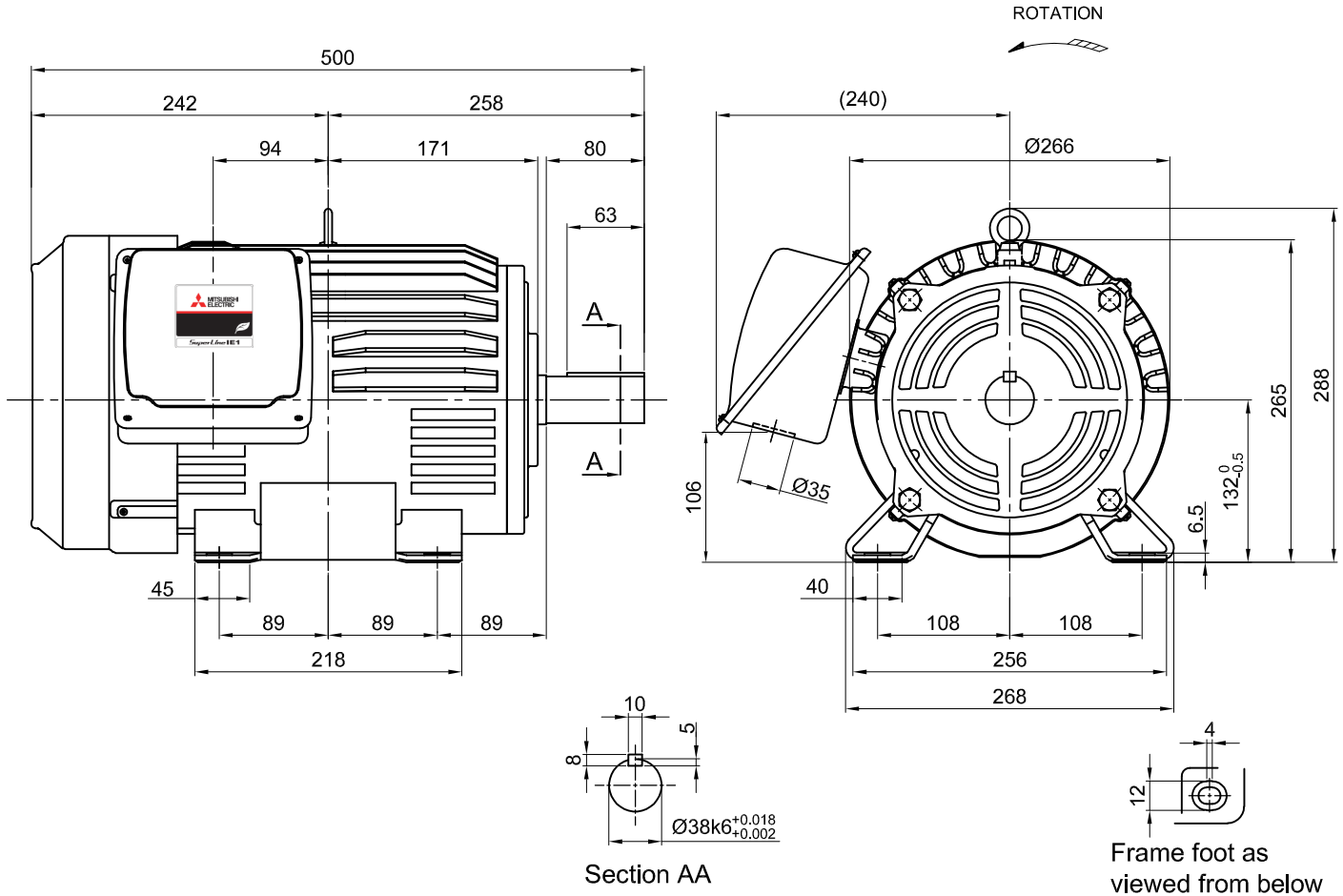
SS-M-2308-A

# MODEL SCL-QR SINGLE PHASE INDUCTION MOTOR OUTLINE DRAWING

CAPACITOR START CAPACITOR RUN TYPE  
(DEGREE OF PROTECTION IP22 )

STARTING CAPACITOR	425 uF 300 V
RUNNING CAPACITOR	60 uF 520 V

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



FRAME SIZE	RATING	TH CLASS	AMB. TEMP.	BEARINGS		COLOR	DIRECTION OF ROTATION	NO. OF LEAD WIRE
				LOAD SIDE	OPP. SIDE			
132M	S1	F	40°C	6308ZZ	6207ZZ	BLACK (MUNSELL N1.5)	CCW	4

OUTPUT		POLE	HERTZ	VOLTS	AMP.	RPM	IE CODE - RATED EFF.	REMARKS
HP	KW							
7.5	5.5	4	50	220/230	31.0/30.0	1450/1450	IE1 - 86.0% / IE1 - 86.0%	
			60	220	30.0	1740	IE1 - 87.0%	

MITSUBISHI ELECTRIC AUTOMATION (THAILAND) CO.,LTD.

	OUTLINE DRAWING NO.	REV.
	<b>ONM240064</b>	<b>*</b>

DIMENSION IN mm.  
SCALE : NTS