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CUSTOMER	R.E.M.	3-PHASE INDUCTION MOTOR
REFERENCE	-	

KEY FEATURES			
MOTOR CODE	147.142.2351P00	COOLING METHOD	IC 411 - T.E.F.C.
MOTOR TYPE	4BS 90LB 4	DUTY TYPE	S1
MOUNTING	IM V1 (B5)	EFFICIENCY CLASS	-
PROTECTION DEGREE (1)	IP 54	APPLICABLE STANDARDS (2)	IEC 60034 - UL/CSA

TECHNICAL DATA					
POLES		4	NOMINAL TORQUE	[Nm]	10,2
RATED OUTPUT	[kW]	1,8	PULL OUT TORQUE	[p.u.]	2,8
RATED VOLTAGE	[V]	265 460	LOCKED ROTOR TORQUE	[p.u.]	3,1
WINDING CONNECTION		Δ Y	LOCKED ROTOR CURRENT	[p.u.]	6,2
RATED FREQUENCY	[Hz]	60	LRC KVA CODE		H
RATED SPEED	[min-1]	1680	NOISE POWER (L _{WA})	dB(A)	-
RATED CURRENT	[A]	5,7 3,3	WEIGHT	kg	19
AMBIENT TEMPERATURE (3)	[°C]	40			
ALTITUDE	[m]	< 1000			
LOAD		2/4	3/4	4/4	
EFFICIENCY (η)	%	78,1	80,7	80,5	
POWER FACTOR	cosφ	0,65	0,77	0,85	

CONSTRUCTION FEATURES			
DRIVING END BEARING (4)	6205 C3	DRIVING END SEAL	LABYRINTH
NON DRIVING END BEARING (4)	6206 C3	NON DRIVING END SEAL	LABYRINTH
GREASE TYPE	-	INSULATION CLASS	H
GREASE NIPPLES	-	TEMPERATURE RISE	B
FRAME MATERIAL	ALUMINIUM	WINDING THERMAL PROTECTION	1 x TH. PROT. 160°C
SHIELD MATERIAL	CAST IRON	WINDING TREATMENT	V.P.I.
TERMINAL BOX MATERIAL	ALUMINIUM	EXT. BOLTS AND SCREWS MATERIAL	STAINLESS STEEL
TERMINAL BOX POSITION	ON TOP	VIBRATION GRADE	B
CABLE ENTRY	RIGHT SIDE (D.E. VIEW)	ROTATION DIRECTION (D.E. SIDE)	CLOCKWISE
CABLE GLANDS (5)	N.1 M20X1,5	MAIN DRAWING	-
ANTI-CONDENSATION HEATERS	-	MAIN CONNECTION DIAGRAM	82-10004
CONDENSATION DRAINAGE	OPENED		
VOLTAGE SUPPLY	INVERTER DUTY		
BRAKE	-		
PAINTING	RAL 7038	V3 ISGEV PAINTING CYCLE	

OTHER DATA	
(1) ONLY WITH CONDENSATE DRAINAGE HOLES CLOSED	
(2) MARK  Component Recognition certified by UL to both U.S. and Canada requirements comply standards UL1004 – CSA C22.2 No.100	
(3) MOTOR CAN OPERATE AT 100°C AMBIENT TEMPERATURE	
(4) HYBRID BEARINGS	
(5) THREADED HOLES WITHOUT CABLE GLANDS	
DATA TOLERANCE ACCORDING TO IEC 60034-1 26-0072 22/05/2026	