

Main:				Accessories: (Optional)	
Type/Frame	S41R 160 M4			Winding protection	
Efficiency class ¹	IE3	-		PTC	None as default
Rated output	11	[kW]		PT100	None as default
Rated speed/Poles	1465/4	[r.p.m]		Bearing protection	
Rated slip	2.3	%		PTC	None as default
Rated torque	72	[N.m]		PT100	None as default
Torque design ²	N	-		Condensation protection	
Connection	D/Y	-		Heater	None as default
Rated frequency	50 ± 5%	[Hz]		Bearing options	
Rated voltage	400/690 ± 10%	[V]		Roller bearing	None as default
Rated current	20.4/11.8	[A]		Insulated bearing	None as default
Starting current ratio ³	6.6	-		Other Modifications: (Optional)	
Locked-rotor ² torque ratio ³	2	-		Position of main cable entry	Right as default
Pull-up ² torque ratio ³	1.5	-		No. of cable gland(s) including auxiliaries	2 as default
Breakdown ² torque ratio ³	2.7	-		Flange	None as default
Load characteristics ⁴:				Auxiliary terminal box	None as default
Output ratio ³	Current (A)	Efficiency (%)	Power Factor	Auxiliary name plate/tag	None as default (aluminum sheet)
100 %	20.4	91.4	0.85	Condensate drain hole	None as default
75 %	16.3	91.4	0.80	Canopy/Protection cover	None as default
50 %	12.6	90.2	0.70	References & Notes:	
Insulation class/temperature rise ⁵	155(F/B)	-		¹ IEC 60034-30-1:2014	
Ambient temperature	-20 ~ +55	[°C]		Efficiency classes of line operated AC motors (IE code)	
Altitude	1000	[m]		² IEC 60034-12:2016	
Moment of inertia	0.051	[kg.m ²]		Starting performance of single-speed three-phase cage induction motors	
Protection degree of frame/T.B ⁶	IP 55	-		³ to the rated value	
Material of frame/T.B	Cast iron	-		⁴ IEC 60034-2-1:2014	
Rotor cage material	Pressure die cast aluminum	-		Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles)	
Cooling method ⁷	IC 411, self	-		⁵ IEC 60034-1:2017	
Bearing D-end type	Ball bearing, C3	-		Rating and performance	
Bearing D-end size	6309	-		⁶ IEC 60034-5:2000	
Bearing N-end type	Ball bearing, C3	-		Degrees of protection provided by the integral design of rotating electrical machines (IP code) - Classification	
Bearing N-end size	6309	-		⁷ IEC 60034-6:1991	
Grease type	Asonic GHY 72	-		Methods of cooling (IC Code)	
Grease amount D-end	20	[g]		⁸ IEC 60034-7:1992	
Grease amount N-end	20	[g]		Classification of types of constructions and mounting arrangements (IM Code)	
Relubrication interval	4000	[h]		⁹ IEC 60034-9:2003	
Relubrication facility	Exists as default	-		Noise limits	
Paint finish	RAL 7031	-		¹⁰ IEC 60034-14:2018	
Mounting ⁸	IM B3	-		Mechanical vibration of certain machines with shaft heights 56 mm and higher - Measurement, evaluation and limits of vibration severity	
Position of terminal box	Top	-		note:	
Service factor	1	-		for more information please visit http://seezmotor.com/	
Duty cycle ⁵	S1	-			
Fan/Shaft direction of rotation	Bidirectional	-			
Sound pressure level (L_{pA}) ⁹	60	[dB]			
Sound power level (L_{wA}) ⁹	73	[dB]			
Vibration severity grade ¹⁰	A	-			
Motor net weight (without options)	125	[kg]			
Guarantee/Warranty validation	24/18	[months]			
After-sales service	5	[years]			