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Ordering data:

1LA44504AN30-Z
A40+A65+G50+K09+M13+M52+Y82

Client-order-no.:

Order-no.:

Offer-no.:

Remarks:

Item-no.:

Consignment-no.:

Project:

89490

Spare

Electrical data				
Rated motor power P _N		850 kW		
Rated motor voltage U D/Y		3.0 kV		
Voltage fluctuations		± 5 % (IEC 60034-1)		
Frequency f		50 Hz		
Frequency fluctuations		± 2 %		
Rated motor speed n _N		1490 1/min		
Number of poles		4		
Rated motor torque M _N		5449 Nm		
Rated motor current I _N		204 A		
Efficiency class acc. to		IEC 60034-2-1 (2007)		
Partial load P/P _N	5/4	4/4	3/4	2/4
Efficiency η %	95,9 %	96,0 %	95,9 %	95,0 %
Power factor cos φ	0,84	0,84	0,81	0,73
Locked-rotor voltage U _L		not applicable		
Rated rotor current I _r		not applicable		
Rotor winding		Bar winding		
Brush lifting device		not applicable		
General data				
Type of ex-protection		without		
Rate of purging compressed-air flow		null		
Temp. rise time const. t _e for thermal cl. T1/T2/T3		- / - / -		
Degree of protection		IP55		
Type of construction		IM B3		
Type of operating		S1		
Site conditions				
Coolant temperature K _r		40 °C		
Altitude above sea level		1000 m		
Thermal class / utilisation		155(F) utilized acc. to thermal class 130(B)		
Stator thermal class		not applicable		
Rotor thermal class		not applicable		

Mechanical data	
Starting-/rated motor current I _A /I _N	5,48
Breakdown-/rated motor torque M _K /M _N	2,37
Starting-/rated motor torque M _A /M _N	1,00
Moment of inertia J _{mot}	22 kg*m²
Ext. moment of inertia (max.) J _{flend}	438 kg*m²
Perm. no. of consecutive starts, cold/warm	3 / 2
Stator circuit	Star /
Rotor winding material	Al
Dyn. foundation load, downward/upward	
Dyn. flange load	not applicable
Bearing design	Rolling-contact bearing
Bearing cooling	not applicable
D.E./N.D.E bearing design	6228 C3 / 6226 C3
Oil content, D.E./N.D.E. bearing	not applicable
Direction of rotation	Clockwise
1m-sound pressure level L _{pa} (Tol.+3dB(A))	81 dB(A)
Measuring surface level L _s	16 dB
Coating	Standard coating
Colour	RAL 7030
Total weight	4700 kg
Standards / specifications	Acc. to IEC/EN/ISO
Total weight	not applicable
Special configurations and tests	
A40	2 resistance thermometers Pt 100 for 4-wire connection from terminals, rolling-contact bearing / 2 Widerstandsthermometer PT100 für 4-Leiterschaltung ab Klemmenkasten bei Wälzlager
A65	6 embedded resistance thermometers Pt 100 without lightning arresters for 3- or 4-wire connection from terminals / 6 Nut-Widerstandsthermometer PT100, ohne Überspannungsschutz, für 3- und 4-Leiterschaltung ab Klemmenkasten
G50	Shock pulse measurement (SPM), measuring nipple at D.E. and N.D.E. / Stoßimpulsmessung (SPM), Meßnippel auf AS und BS
K09	Terminal box on right-hand side, view from D.E. / Klemmenkasten seitlich, rechts von AS aesehen
M13	Anti-condensation heater 220-240 V (min 200 V, max. 264V) / Stillstandsheizungs-Bemessunasspannungsbereich 220 - 240V (min. 200V, max. 264V)
M52	Separate auxiliary terminal box for anti-condensation heating / Separater Hilfsklemmenkasten für die Stillstandsheizung
Y82	Additional rating plate, with customer's specifications / Zusatzschild mit Bestellangaben will follow

