

Motor:

motor type.....: 5RN80M02 2 pole Ex Class.....: Ex II 2D
Environment.....: -20°C to +40°C, up to 1000m above sea level acc. Ex Norm: EN 50281-1-1
Area: ATEX Insulation class: F (155°C)
Execution: Degree of protection: IP65
Rated voltage [Vac] D 230 / Y 400 50Hz Method of cooling.....: IC411
Output [kW].....: 1,10 Mounting: IM3041 FF165
Nom. torque [Nm]: 3,69 Mass [kg].....: 14,59
Duty: S1 Moment of inertia [kgm²]: 0,00110
Bearings.....: DE: 6204-2Z/C3WT , NDE: 6204-2Z/C3WT

At nominal (rated load):

Speed [rpm]: 2850 Phase resistance at 20°C [Ohm]: 6,15568
Temp. rise windings [K] : 78 temp.rise acc. B (80K) Temp. rise surface [K].....: 24

Nom. current [A].....: 4,15 / 2,40 at 230V / 400V 50Hz

	Partial load - 75%	Full load - 100%	Overload - 125%
Power factor	0,77	0,86	0,90
Efficiency [%]	76,1	77,1 IE1	75,7

At start

Locked rotor torque [%] : 237 Power factor at starting: 0,87
Locked rotor current [%]: 629

Pull-up

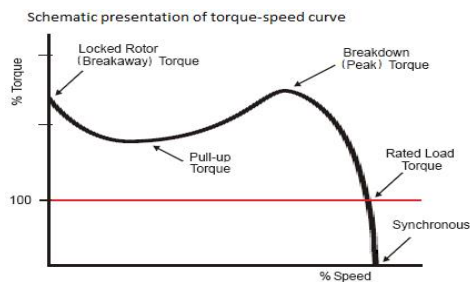
Pull up torque [%]: 176

Breakdown

Break down torque [%] .: 244

No-load at nominal

No load current [A].....: 2,56



Configuration / Extra: R486

squirrel cage ind. motor 5RN80M02-3041
PTC's for tripping TP111 (IEC34-11,1978) DIN 44081/2 RN80
Protection class IP65
ATEX Ex II 2D T125°C IP65 00ATEX2078 + PTC for tripping

Motor:

motor type.....: 5RN80M02 2 pole Ex Class.....: Ex II 2D
Environment.....: -20°C to +40°C, up to 1000m above sea level acc. Ex Norm: EN 50281-1-1
Area: ATEX Insulation class: F (155°C)
Execution: Degree of protection: IP65
Rated voltage [Vac] D 265 / Y 460 60Hz Method of cooling.....: IC411
Output [kW].....: 1,30 Mounting: IM3041 FF165
Nom. torque [Nm]: 3,60 Mass [kg].....: 14,59
Duty: S1 Moment of inertia [kgm²]: 0,00110
Bearings.....: DE: 6204-2Z/C3WT , NDE: 6204-2Z/C3WT

At nominal (rated load):

Speed [rpm]: 3445 Phase resistance at 20°C [Ohm]: 6,15568
Temp. rise windings [K] : 80 temp.rise acc. B (80K) Temp. rise surface [K].....: 22

Nom. current [A].....: 4,15 / 2,40 at 265V / 460V 60Hz

	Partial load - 75%	Full load - 100%	Overload - 125%
Power factor	0,80	0,86	0,91
Efficiency [%]	78,5	79,2	78,7

At start

Locked rotor torque [%] : 239 Power factor at starting: 0,85
Locked rotor current [%]: 629

Pull-up

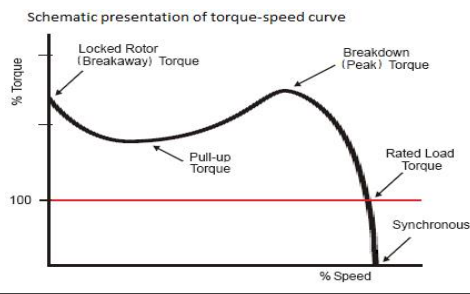
Pull up torque [%]: 178

Breakdown

Break down torque [%] .: 263

No-load at nominal

No load current [A].....: 2,15



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