

### Three-phase asynchronous motor

**MOTOR FRAME: Cast Iron**

a company of



**Motor type: W-DF280SN IE2 55kW 6P B3**  
**Motor item number:**

<b>50 HZ data</b>	Rated power:	55 kW			<b>60 HZ data</b>		kW		
	Poles(Synch speed):	6p (1000) r.p.m					r.p.m		
	Full load speed:	985 r.p.m					r.p.m		
	Voltage:	400	/	690 V			V		
	Frequency:	50 Hz					Hz		
	Connection:	Δ	/	Y					
	Amps full load (FLA):	103	/	60 A			A		
	Amps no-load (NLA):	A							

Enclosure:	IP55			Cable entries size:			
Mounting:	IM B3 (IM 1001)			Winding protection:	3xPT160		
Insulation Class:	F			Max. Altitude:	1000	m.a.s.l.	
Max. ambient temp.:	+40	°C		Heater:	no		
Min. ambient temp.:	-20	°C		Shaft extension:	80x170	mm	
Max. temp. rise:	80	K		Weight:	660	kg	
Duty type:	S1			Painting:	Argus		
Cooling form:	IC411 (TEFC)			Color:	RAL 5021		
Bearing DE	6318	C3		Box position:	Top DE		
Bearing NDE	6318	C3		Cable entry towards:	Right		
Grease:	Lithium or Polyurea Base			Cable type:	N/A		
Regreasing facilities:	YES			Balance grade:	Normal		

Efficiency class:	IE2			Sound pressure (1m):	65 dB(A)	
Load data:	100%	75%	50%	Resistance R20:	0,089 PH	
Efficiency:	93,1	94,1	93,8			
Power factor:	0,83	0,80	0,74			

Full load torque (FLT):	533,2	Nm	Pull out torque ratio:	2,0	MK/MN
Starting torque ratio:	2,5	MA/MN	Pull up torque:	1,9	MS/MN
Starting current ratio:	6,1	IA/IN	Rotor inertia WK2:	2,9	kgm <sup>2</sup>

Special remarks:

#### SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

Hazardous classification:	Temp. Class:	
Certificate number:	t <sub>E</sub> time:	sek

Special remarks: