

Type					
01	Drive type:	<b>Unbalance motor</b>		02	Type description: <b>SU 4-190 (17) 400/50</b>
Mechanical data					
03	Speed:	<b>1460</b> rpm	04	Working torque:	<b>190</b> kgcm
05	Weight:	<b>82</b> kg			
Electrical data					
06	Connection voltage:	<b>400</b> V	07	Connection frequency:	<b>50</b> Hz
08	Output:	<b>1,10</b> kW			
09	Current consumption IN:	<b>1,86</b> A	10	Protection class:	<b>66</b> IP
11	Ex. protection:	./.			
12	Starting current:	<b>6,6</b> IA/IN	Resistance: <b>120°</b>		
Electrical connection					
13	In accordance with guideline:	<b>VDE 0250</b>	14	Type:	<b>H07RN - F</b>
15	Max. current density:	<b>4</b> A/mm <sup>2</sup>			
16	<p><b>When specifying the cable cross-section, consider the current density, cable length and voltage drop.</b></p> <p><b>Motors must be arranged for direct on-line starting, simultaneously and at full start-up current. Soft starting, start-up ramps etc. may not be used.</b></p> <p><b>Make the connection using a sufficiently flexible rubber-coated cable suitable for high mechanical loads.</b></p> <p><b>Unbalance drives may generally be started only when stationary.</b></p> <p><b>The maximum number of starts per hour for unbraked drives is 10. More than 10 starts per hour are not permitted unless agreed with SPALECK GmbH &amp; CO. KG.</b></p>				
Lubrication					
17	<b>The drives are lubricated for life. They do not require regreasing.</b>				
Dimensions [mm]					
18	<p>The technical drawings show the motor's dimensions in millimeters. The front view (left) indicates a total width of 520 mm, a diameter of 250 mm, and mounting foot widths of 140 mm and 230 mm. The side view (right) shows a total height of 300 mm, a diameter of 272 mm, a mounting foot height of 140 mm, and a base width of 220 mm. Other dimensions include 60 mm for the mounting foot offset and 170 mm for the base width.</p>				
Drive fastening					
19	<b>Always use high-tensile (grade 8.8) bolts (DIN 4014/4017) and nuts (DIN 7040) for fastenings.</b>				
	Thread [M]	<b>M 6</b>	<b>M 10</b>	<b>M 12</b>	<b>M 16</b>
	Torque [Nm]	<b>10</b>	<b>46</b>	<b>86</b>	<b>210</b>
				<b>M 20</b>	<b>M 24</b>
				<b>410</b>	<b>710</b>
Caution					
20	<b>Changes to the centrifugal weights arrangement are permissible only by written agreement with SPALECK GmbH &amp; Co. KG. Where two unbalance motors are used, always ensure that they rotate in opposite directions and they start simultaneously.</b>				