

Leistungstabellen – Performance Table

| Motorleistung in kW / Motor Performance KW NP25/21-300 | | | | | | | Überdruck / Pressure | | max. 300 bar | | | | |
|--|------|----------------------------|---|-------------------------|--|-------------------------|---------------------------------|-----|---------------------|------|------|------|------------|
| | | | | | | | Fördermenge / Output | | max. 1248 l/h | | | | |
| | | | | | | | Wassertemp. / Water Temp. | | max. 70 °C | | | | |
| | | | | | | | Gewicht / Weight | | ca./approx. 19,0 kg | | | | |
| Fördermenge Output | | Pumpen- drehzahl RPM | Pumpen- keilscheibe Pump V-Belt Pulley | | Motor- keilscheibe Motor Pulley bei/at 1450/min | | Druck in bar Pressure in bar | | | | | | |
| l/min | l/h | 1/min | Wirk- ø Eff.Dia. | Außen- ø Ext.Dia. | Wirk- ø Eff.Dia. | Außen- ø Ext.Dia. | 200 | 220 | 240 | 260 | 280 | 300 | |
| 14.4 | 861 | 1000 | 180 | 186 | 127 | 133 | 5.7 | 6.2 | 6.8 | 7.3 | 7.9 | 8.5 | 3 x SPA |
| 15.8 | 947 | 1100 | 180 | 186 | 139 | 145 | 6.2 | 6.8 | 7.5 | 8.1 | 8.7 | 9.3 | |
| 17.2 | 1033 | 1200 | 180 | 186 | 151 | 157 | 6.8 | 7.5 | 8.1 | 8.8 | 9.5 | 10.2 | |
| 18.7 | 1119 | 1300 | 180 | 186 | 165 | 171 | 7.3 | 8.1 | 8.8 | 9.5 | 10.3 | 11.0 | |
| 20.8 | 1248 | 1450 | 180 | 186 | 180 | 186 | 8.2 | 9.0 | 9.8 | 10.7 | 11.5 | 12.3 | |
| Anzahl der Keilriemen Profil SPA* Number of SPA V-Belts* | | | | | | | 2 x SPA | | | | | | |

| Motorleistung in kW / Motor Performance KW NP25/25-250 | | | | | | | Überdruck / Pressure | | max. 250 bar | | | | |
|--|------|----------------------------|---|-------------------------|--|-------------------------|---------------------------------|-----|---------------------|------|------|------|------------|
| | | | | | | | Fördermenge / Output | | max. 1500 l/h | | | | |
| | | | | | | | Wassertemp. / Water Temp. | | max. 70 °C | | | | |
| | | | | | | | Gewicht / Weight | | ca./approx. 19,0 kg | | | | |
| Fördermenge Output | | Pumpen- drehzahl RPM | Pumpen- keilscheibe Pump V-Belt Pulley | | Motor- keilscheibe Motor Pulley bei/at 1450/min | | Druck in bar Pressure in bar | | | | | | |
| l/min | l/h | 1/min | Wirk- ø Eff.Dia. | Außen- ø Ext.Dia. | Wirk- ø Eff.Dia. | Außen- ø Ext.Dia. | 150 | 170 | 190 | 210 | 230 | 250 | |
| 17.2 | 1034 | 1000 | 180 | 186 | 127 | 133 | 5.1 | 5.8 | 6.5 | 7.2 | 7.9 | 8.5 | 3 x SPA |
| 19.0 | 1138 | 1100 | 180 | 186 | 139 | 145 | 5.6 | 6.4 | 7.1 | 7.9 | 8.6 | 9.4 | |
| 20.7 | 1241 | 1200 | 180 | 186 | 151 | 157 | 6.1 | 7.0 | 7.8 | 8.6 | 9.4 | 10.2 | |
| 22.4 | 1345 | 1300 | 180 | 186 | 165 | 171 | 6.7 | 7.5 | 8.4 | 9.3 | 10.2 | 11.1 | |
| 25.0 | 1500 | 1450 | 180 | 186 | 180 | 186 | 7.4 | 8.4 | 9.4 | 10.4 | 11.4 | 12.4 | |
| Anzahl der Keilriemen Profil SPA* Number of SPA V-Belts* | | | | | | | 2 x SPA | | | | | | |

| Motorleistung in kW / Motor Performance KW NP25/30-200 | | | | | | | Überdruck / Pressure | | max. 200 bar | | | | |
|--|------|----------------------------|---|-------------------------|--|-------------------------|---------------------------------|---------|---------------------|-----|------|------|------------|
| | | | | | | | Fördermenge / Output | | max. 1866 l/h | | | | |
| | | | | | | | Wassertemp. / Water Temp. | | max. 70 °C | | | | |
| | | | | | | | Gewicht / Weight | | ca./approx. 17,4 kg | | | | |
| Fördermenge Output | | Pumpen- drehzahl RPM | Pumpen- keilscheibe Pump V-Belt Pulley | | Motor- keilscheibe Motor Pulley bei/at 1450/min | | Druck in bar Pressure in bar | | | | | | |
| l/min | l/h | 1/min | Wirk- ø Eff.Dia. | Außen- ø Ext.Dia. | Wirk- ø Eff.Dia. | Außen- ø Ext.Dia. | 100 | 120 | 140 | 160 | 180 | 200 | |
| 21.5 | 1287 | 1000 | 180 | 186 | 127 | 133 | 4.2 | 5.1 | 5.9 | 6.8 | 7.6 | 8.4 | 3 x SPA |
| 23.6 | 1416 | 1100 | 180 | 186 | 139 | 145 | 4.6 | 5.6 | 6.5 | 7.4 | 8.4 | 9.3 | |
| 25.7 | 1544 | 1200 | 180 | 186 | 151 | 157 | 5.1 | 6.1 | 7.1 | 8.1 | 9.1 | 10.1 | |
| 27.9 | 1673 | 1300 | 180 | 186 | 165 | 171 | 5.5 | 6.6 | 7.7 | 8.8 | 9.9 | 11.0 | |
| 31.1 | 1866 | 1450 | 180 | 186 | 180 | 186 | 6.1 | 7.3 | 8.6 | 9.8 | 11.0 | 12.2 | |
| Anzahl der Keilriemen Profil SPA* Number of SPA V-Belts* | | | | | | | 1 x SPA | 2 x SPA | | | | | |

| Motorleistung in kW / Motor Performance KW NP25/38-180 | | | | | | | Überdruck / Pressure | | max. 180 bar | | | | |
|--|------|----------------------------|---|-------------------------|--|-------------------------|---------------------------------|---------|---------------------|------|------|------|------------|
| | | | | | | | Fördermenge / Output | | max. 2238 l/h | | | | |
| | | | | | | | Wassertemp. / Water Temp. | | max. 70 °C | | | | |
| | | | | | | | Gewicht / Weight | | ca./approx. 17,4 kg | | | | |
| Fördermenge Output | | Pumpen- drehzahl RPM | Pumpen- keilscheibe Pump V-Belt Pulley | | Motor- keilscheibe Motor Pulley bei/at 1450/min | | Druck in bar Pressure in bar | | | | | | |
| l/min | l/h | 1/min | Wirk- ø Eff.Dia. | Außen- ø Ext.Dia. | Wirk- ø Eff.Dia. | Außen- ø Ext.Dia. | 80 | 100 | 120 | 140 | 160 | 180 | |
| 25.7 | 1544 | 1000 | 180 | 186 | 127 | 133 | 4.1 | 5.1 | 6.1 | 7.1 | 8.1 | 9.1 | 3 x SPA |
| 28.3 | 1698 | 1100 | 180 | 186 | 139 | 145 | 4.5 | 5.6 | 6.7 | 7.8 | 8.9 | 10.0 | |
| 30.9 | 1852 | 1200 | 180 | 186 | 151 | 157 | 4.9 | 6.1 | 7.3 | 8.5 | 9.7 | 10.9 | |
| 33.4 | 2007 | 1300 | 180 | 186 | 165 | 171 | 5.3 | 6.6 | 7.9 | 9.2 | 10.5 | 11.9 | |
| 37.3 | 2238 | 1450 | 180 | 186 | 180 | 186 | 5.9 | 7.3 | 8.8 | 10.3 | 11.8 | 13.2 | |
| Anzahl der Keilriemen Profil SPA* Number of SPA V-Belts* | | | | | | | 1 x SPA | 2 x SPA | | | | | |

| Motorleistung in kW / Motor Performance KW NP25/41-170 | | | | | | | Überdruck / Pressure | | max. 170 bar | | | | | |
|---|------|----------------------------|---|-------------------------|--|-------------------------|---------------------------------|-----|---------------------|------|------|------|--|--|
| | | | | | | | Fördermenge / Output | | max. 2424 l/h | | | | | |
| | | | | | | | Wassertemp. / Water Temp. | | max. 70 °C | | | | | |
| | | | | | | | Gewicht / Weight | | ca./approx. 17,4 kg | | | | | |
| Fördermenge Output | | Pumpen- drehzahl RPM | Pumpen- keilscheibe Pump V-Belt Pulley | | Motor- keilscheibe Motor Pulley bei/at 1450/min | | Druck in bar Pressure in bar | | | | | | | |
| l/min | l/h | 1/min | Wirk- ø Eff.Dia. | Außen- ø Ext.Dia. | Wirk- ø Eff.Dia. | Außen- ø Ext.Dia. | 70 | 90 | 110 | 130 | 150 | 170 | | |
| 27.9 | 1672 | 1000 | 180 | 186 | 127 | 133 | 3.8 | 4.9 | 6.0 | 7.1 | 8.2 | 9.3 | | |
| 30.6 | 1839 | 1100 | 180 | 186 | 139 | 145 | 4.2 | 5.4 | 6.6 | 7.8 | 9.1 | 10.3 | | |
| 33.4 | 2006 | 1200 | 180 | 186 | 151 | 157 | 4.6 | 5.9 | 7.2 | 8.6 | 9.9 | 11.2 | | |
| 36.2 | 2173 | 1300 | 180 | 186 | 165 | 171 | 5.0 | 6.4 | 7.8 | 9.3 | 10.7 | 12.1 | | |
| 40.4 | 2424 | 1450 | 180 | 186 | 180 | 186 | 5.6 | 7.2 | 8.7 | 10.3 | 11.9 | 13.5 | | |
| Anzahl der Keilriemen Profil SPA* Number of SPA V-Belts* | | | | | | | 1 x SPA | | 2 x SPA | | | | | |

| Motorleistung in kW / Motor Performance KW NP25/50-150 | | | | | | | Überdruck / Pressure | | max. 150 bar | | | | | |
|---|------|----------------------------|---|-------------------------|--|-------------------------|---------------------------------|-----|---------------------|------|------|------|--|--|
| | | | | | | | Fördermenge / Output | | max. 2904 l/h | | | | | |
| | | | | | | | Wassertemp. / Water Temp. | | max. 70 °C | | | | | |
| | | | | | | | Gewicht / Weight | | ca./approx. 17,4 kg | | | | | |
| Fördermenge Output | | Pumpen- drehzahl RPM | Pumpen- keilscheibe Pump V-Belt Pulley | | Motor- keilscheibe Motor Pulley bei/at 1450/min | | Druck in bar Pressure in bar | | | | | | | |
| l/min | l/h | 1/min | Wirk- ø Eff.Dia. | Außen- ø Ext.Dia. | Wirk- ø Eff.Dia. | Außen- ø Ext.Dia. | 50 | 70 | 90 | 110 | 130 | 150 | | |
| 33.4 | 2003 | 1000 | 180 | 186 | 127 | 133 | 3.3 | 4.6 | 5.9 | 7.2 | 8.5 | 9.9 | | |
| 36.7 | 2203 | 1100 | 180 | 186 | 139 | 145 | 3.6 | 5.1 | 6.5 | 8.0 | 9.4 | 10.8 | | |
| 38.7 | 2324 | 1200 | 180 | 186 | 151 | 157 | 3.8 | 5.3 | 6.9 | 8.4 | 9.9 | 11.4 | | |
| 43.4 | 2604 | 1300 | 180 | 186 | 165 | 171 | 4.3 | 6.0 | 7.7 | 9.4 | 11.1 | 12.8 | | |
| 48.4 | 2904 | 1450 | 180 | 186 | 180 | 186 | 4.8 | 6.7 | 8.6 | 10.5 | 12.4 | 14.3 | | |
| Anzahl der Keilriemen Profil SPA* Number of SPA V-Belts* | | | | | | | 1 x SPA | | 2 x SPA | | | | | |

* Die in den Tabellen gewählten PKS und MKS sowie das gewählte Keilriemenprofil dienen als Anhalt für die Antriebsauslegung.

Je nach Übersetzungsverhältnis können auch Motore mit anderen Drehzahlen und entsprechend geänderte MKS / PKS verwendet werden.

Zwischengrößen von Fördermenge / Drehzahl bzw. Druck / Menge / KW können durch lineare Umrechnung ausreichend genau bestimmt werden.

Allgemeine Formel zur Ermittlung des Kraftbedarfs:

$$\frac{P \text{ (bar)} \times Q \text{ (l/min)}}{475} = \text{kW}$$

* The stated pump and motor pulley sizes as well as the V-belt model stated in the table serve as a guide in setting up the drive configuration.

Depending on the transmission ratio, motors with other speeds together with properly sized motor and pump pulleys can also be used.

Intermediate values for output / speed and pressure / output / kW can be established by linear extrapolation.

A general formula for calculating power is:

$$\frac{P \text{ (bar)} \times Q \text{ (l/min)}}{475} = \text{kW}$$



Speck-Triplex-Pumpen GmbH & Co. KG

Walkenweg 41 · D-33609 Bielefeld

Tel. (0521) 97048-0 · Telefax (0521) 97048-29

E-Mail: info@speck-triplex.de

www.speck-triplex.de