

1.2 Technical data

Features	
Operating fluid temperature range (mineral oil):	NBR HNBR FPM (VITON)
	-15 / +80 °C (peak: -20 / +90 °C) -20 / +90 °C (peak: -30 / +110 °C) -5 / +100 °C (peak: -10 / +110 °C)
Recommended fluids	hydraulic mineral oil-based
Viscosity range:	Recommended Permitted Permitted for starting
	20-120 mm ² /s (cSt) up to 700 mm ² /s (cSt) 2000 mm ² /s (cSt)
Cleanliness:	recommended for operating pressure > 170 bar recommended for operating pressure < 170 bar
	21/18/15 ISO 4406 22/19/16 ISO 4406
Standard seals material (valves not included)	NBR + HNBR standard (ISO1629)

Extreme working limit values can not be combined

Type	Displacement		Pressure				Min speed rpm	Max speed** rpm
	cm ³ /rev	Cu.In.P.R.	P1		P3			
			bar	P.S.I.	bar	P.S.I.		
40	40.2	2.45	300	4300	320	4600	500	3000
45	45	2.75	300	4300	320	4600	500	3000
54	54.4	3.32	290	4100	310	4400	500	3000
63	63.1	3.85	280	4000	300	4300	500	2500
75	75.3	4.60	240	3400	260	3700	500	2000

** : The max admitted speed is referred to single pump/single inlet configuration. In case of multiple pumps with common suction line, a speed reduction must be considered.



IMPORTANT!: The pressure values are referred to unidirectional pumps, single versions only.

Please consult Bucher Hydraulics if even one of the operating limits indicated in the table (temperature, pressure, rpm) is exceeded, as well as in the case of two or more maximum values at the same time, or for applications with particularly heavy-duty cycles