



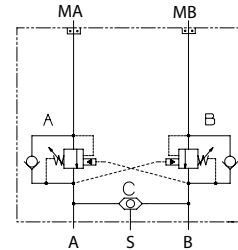
Motor Mount HIC Technical Information

MM-OMP/OMR-LS-DCB10-HV

OPERATION

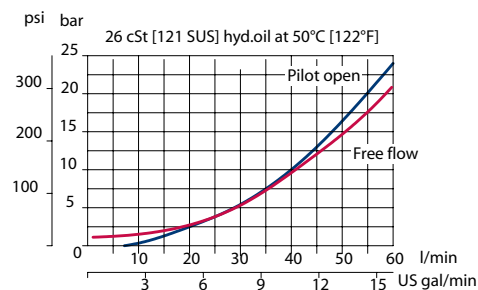
This is a dual counterbalance HIC with shuttle that mounts to OMPX/OMRX motors with BSP porting (SO-A3). The OMPX and OMRX replace the legacy OMP and OMR motors.

Schematic



SPECIFICATIONS

Theoretical performance



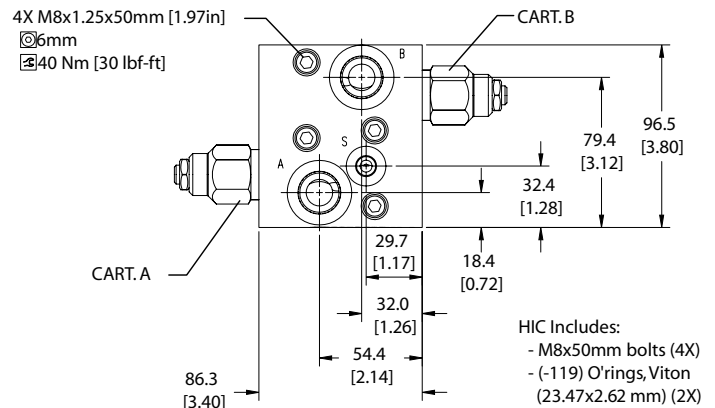
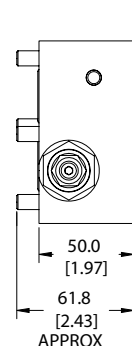
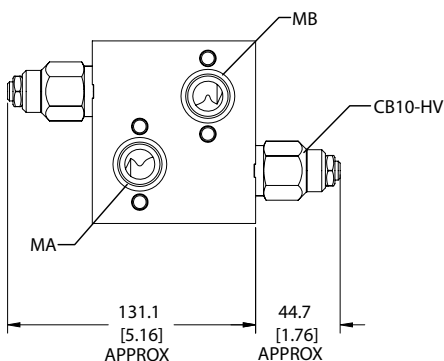
Specifications

Rated pressure	210 bar [3045 psi]
Rated flow at 22 bar [319 psi]	60 l/min [16 US gal/min]
Leakage	6 drops/min @ 70% of crack pressure
Weight	1.44 kg [3.17 lb]
Pilot ratio	3.0:1, 4.5:1, 10.0:1
Cartridge	CB10-HV
Shuttle	CP124-1
Shuttle/drain port	#4 SAE (1/8 BSP)
Service mount kit	11023162
Motor	OMPX/OMRX

DIMENSIONS

Cross-sectional view

mm [in]



ORDERING INFORMATION

MM-OMP/OMR-LS-DCB10-HV-1-C-1-E-100-B-10S

Motor mount	Housing and ports	Part #
Motor code	10S = AI, #10SAE	11026333
Secondary valve	4B = AI, 1/2 BSP	11026334
LS = Load sense shuttle valve (Brake valve)	Seals	Cartridge seal kit
Dual counterbalance valve	B = Buna-N	354001419
Type	V = Viton	354001519
HV=Hydraulic Vent	Cracking pressure (bar)	
	Example: 100 = 100 bar [1450 psi]	
	See CB10-HV for std. settings	
	Adjust type	
	E = External adjustment	
	F = Tamper resistant	
	Check crack pressure	
	1 = 1 bar (14.5 psi)	

Pressure range
For pilot ratio A (3:1)
1 = 35-110 bar [507-1595 psi]
2 = 60-150 bar [870-2176 psi]
3 = 80-230 bar [1160-3336 psi]
For pilot ratio B (4.5:1)
1 = 55-180 bar [797-2611 psi]
2 = 75-240 bar [1088-3481 psi]
3 = 90-350 bar [1305-5076 psi]
For pilot ratio C (10:1)
1 = 90-350 bar [1305-5076 psi]

Pilot ratio
A = 3:1
B = 4.5:1
C = 10:1