TRAVEL MOTOR ASS'Y

HTM 06VN



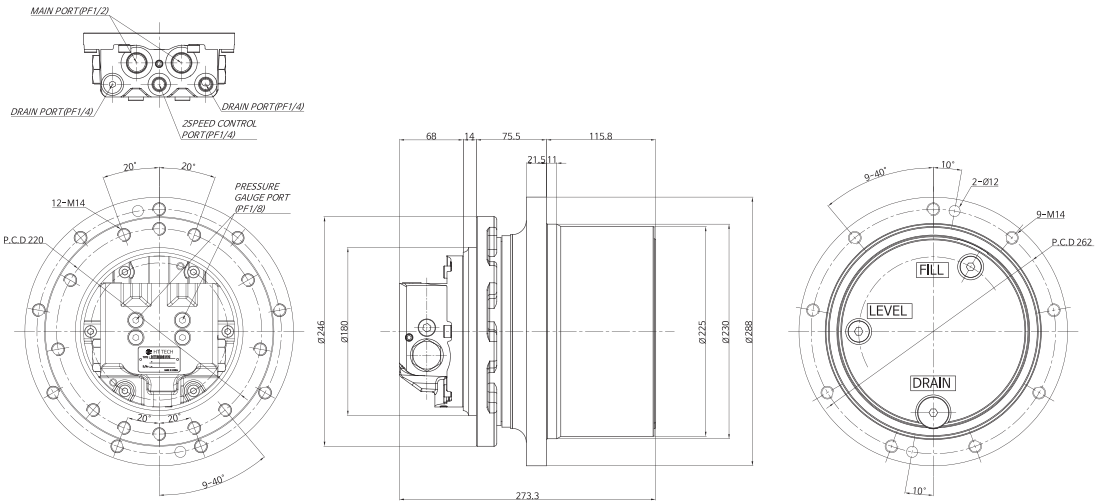
Model Information

HTM 06 VN 35/14 1

- Model Name
- Size Number 06
- Motor Type
- Displacement High, Low Speed
- Design code

Specification

Model				HTM06VN	
				1SPEED	2SPEED
Reduction Gear	Gear ratio			68.6	
	Output Torque	kg.m	rated	685	403.5
			max.	720	
	Output speed	rpm	rated	34.8	59
			max.	67	
Hydraulic Motor	Displacement	cc/rev.		35.1	14.8
	Operating Pressure	kgf/cm²	rated	250	
			max.	300	
	Output Speed	rpm	rated	1150	2500
			max.	4500	
	Brake Torque	kg.m		6.6	
Weight		kg		53	



Dimensions

Model	A	B	C	D	E	F	G	H	J	K	L	M	N	P	ton
HTM06VN	273	246	288	82.5	75.2	220	180	225	262	12-M14X2.0	9-M14X2.0	PF1/2	PF1/4	PF1/8	4

TRAVEL MOTOR ASS'Y

HTM 07/09/18VC



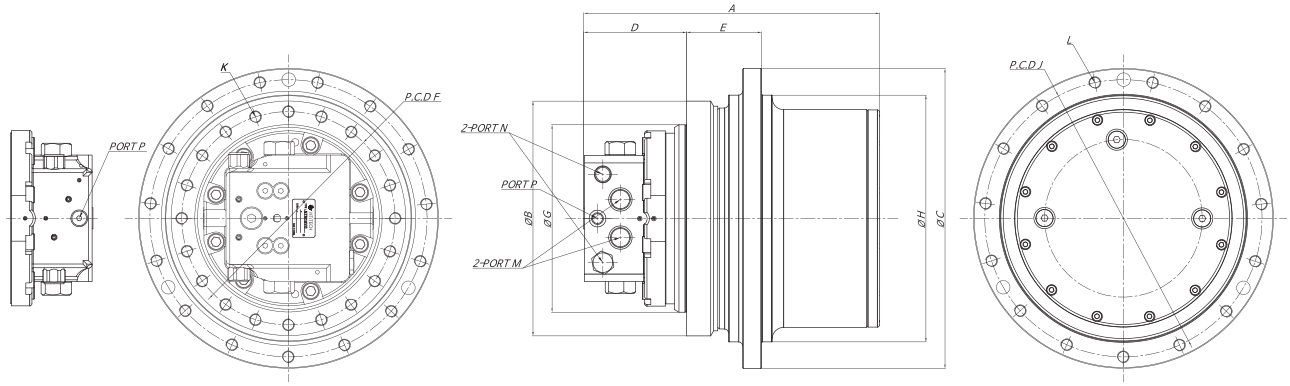
Model Information

HTM	09	VC	49/26	1

- Model Name
- Size Number 07/09/10/18
- Motor Type
- Displacement High, Low Speed
- Design code

Specification

Model				HTM07VC		HTM09VC		HTM10VC/18VC	
				1SPEED	2SPEED	1SPEED	2SPEED	1SPEED	2SPEED
Reduction Gear	Gear ratio			53.706		53.706		53	
	Output Torque	kg.m	rated	709	449	1117	629	1960	1221
			max.	780		1160		2151	
	Output speed	rpm	rated	25.6	40.4	30.3	56.6	30.7	49.2
			max.	65		60		60	
Hydraulic Motor	Displacement	cc/rev.		39.5	25	49.2	26.3	68.9	42.9
	Operating Pressure	kgf/cm²	rated	210		280		337	
			max.	300		350		350	
	Output Speed	rpm	rated	1176	2171	1626	3042	1625	2608
			max.	3000		3900		3200	
	Brake Torque	kg.m		8.4		8.4		19.7	
Weight		kg		78		83		125/136	



Dimensions

Model	A	B	C	D	E	F	G	H	J	K	L	M	N	P	ton
HTM07VC	348.5	270	306	126	68	244	210	250	282	12-M14X2.0	12-M14X2.0	PF1/2	PF3/8	PF1/4	5
HTM09VC	348.5	280	325	120	80	250	210	265	300	12-M16X2.0	12-M14X2.0	PF1/2	PF3/8	PF1/4	8
HTM10VC	388.5	298	362	134	88	270	230	292	332	15-M16X2.0	12-M16X2.0	PF3/4	PF1/2	PF1/4	14
HTM18VC	388.5	308	394	134	99.5	280	246	324	364	20-M16X2.0	15-M16X2.0	PF3/4	PF1/2	PF1/4	14

TRAVEL MOTOR ASS'Y

HTM 40VC



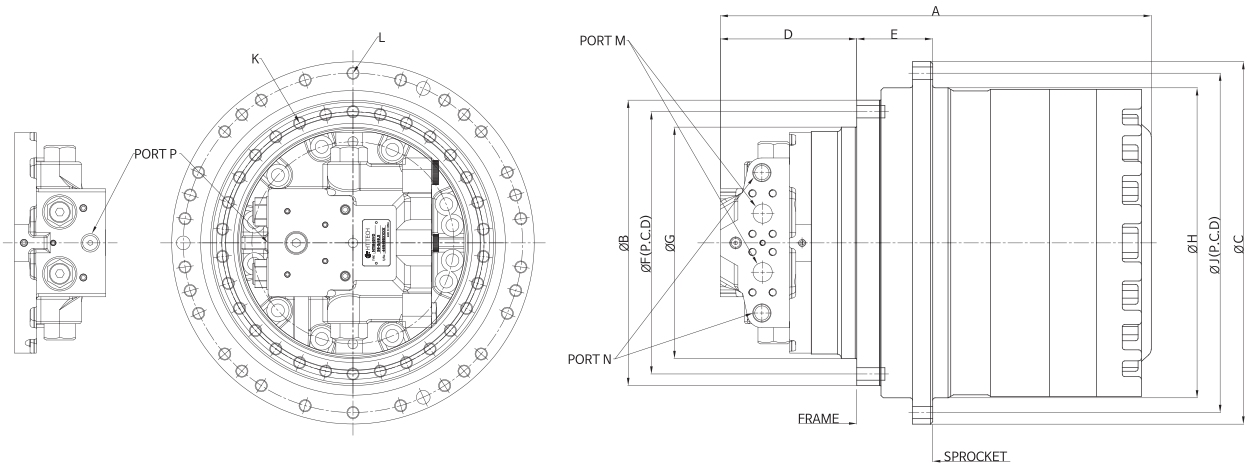
Model Information

HTM	40	VC	95/176	1

- HTM — Model Name
- 40 — Size Number 06/07/09/10/18/40
- VC — Motor Type
- 95/176 — Design code
- 1 — Displacement High, Low Speed

Specification

Model				HTM40VC	
				1SPEED	2SPEED
Reduction Gear	Gear ratio			48	
	Output Torque	kg.m	rated	4438	2404
			max.	4651	
	Output speed	rpm	rated	26.7	49.4
			max.	50	
Hydraulic Motor	Displacement	cc/rev.		176	95.3
	Operating Pressure	kgf/cm²	rated	330	
			max.	350	
	Output Speed	rpm	rated	1284	2370
			max.	2400	
	Brake Torque	kg.m		49.3	
Weight		kg		310	



Dimensions

Model	A	B	C	D	E	F	G	H	J	K	L	M	N	P	ton
HTM40VC	547.5	370	470	178.5	98.5	340	300	402	440	30-M16X2.0	30-M16X2.0	1"FLANGE	PF1/2	PF1/4	22

TRAVEL MOTOR ASS'Y

HTMV 016



Specification

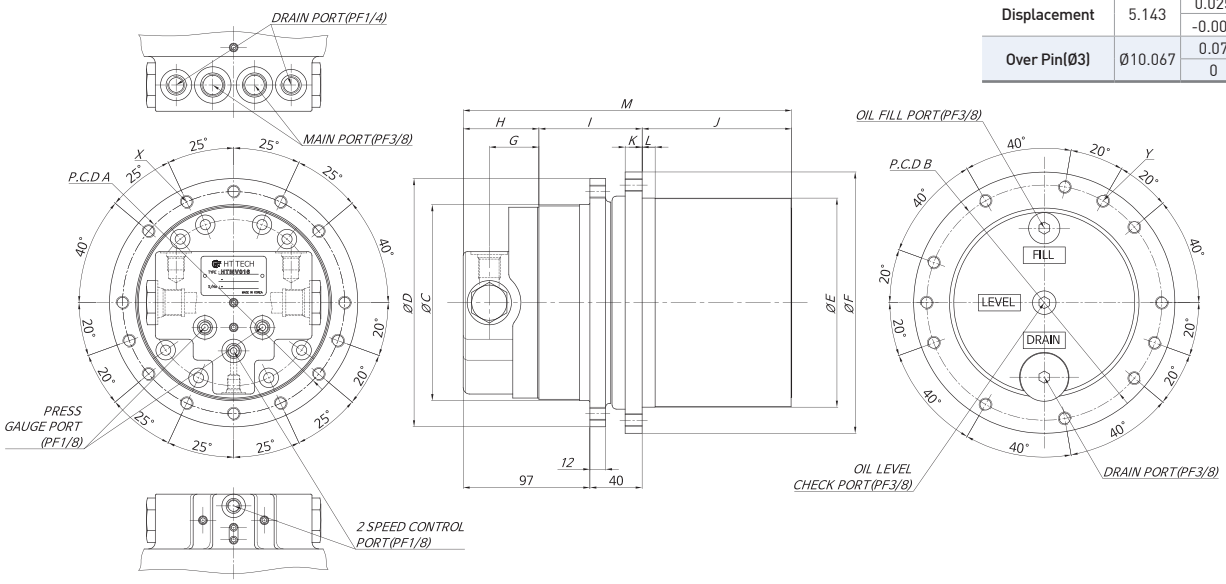
Model	Max.output torque [Reducer]		Motor displacement		Gear ratio	Max.speed [Motor]		Max. flow	Nomal pressure **	Peak pressure	Mechanical braketorque		Automatic shift pressure	Relief valve	Mass	Typical vehicle application
	Low speed	High speed	Low speed	High speed		Low speed	High speed				Reducer	Motor				
	N.m		cc/rev.			rpm		L/min	bar	bar	N.m		bar		kg	ton
016	2785	1936	16.4	11.4	42.7	2134	3070	35	250	280	1591	37	180	X	30	2

▲ - Option X - Not available
* Fixed displacement
** Nominal pressure is the max. relief valve setting pressure

Dimensions

Motor Output Shaft

16(cc/rev) 16/11.4(cc/rev)		
Involute Spline		
Number of Teeth	12	
Module	1	
Pressure Angle	20°	
Pitch Diameter	Ø12	
Displacement	5.143	0.025 -0.007
Over Pin(Ø3)	Ø10.067	0.07 0



Model	P,C,D,A	P,C,D,B	ØC	ØD	ØE	ØF	G	H	I	J	K	L	M	X	Y	MAIN PORT
HTMV016	170	180	150	190	160	200	38	58	79	114.5	13	10	251.5	14-M10	12-M10	2-PF3/8

TRAVEL MOTOR ASS'Y

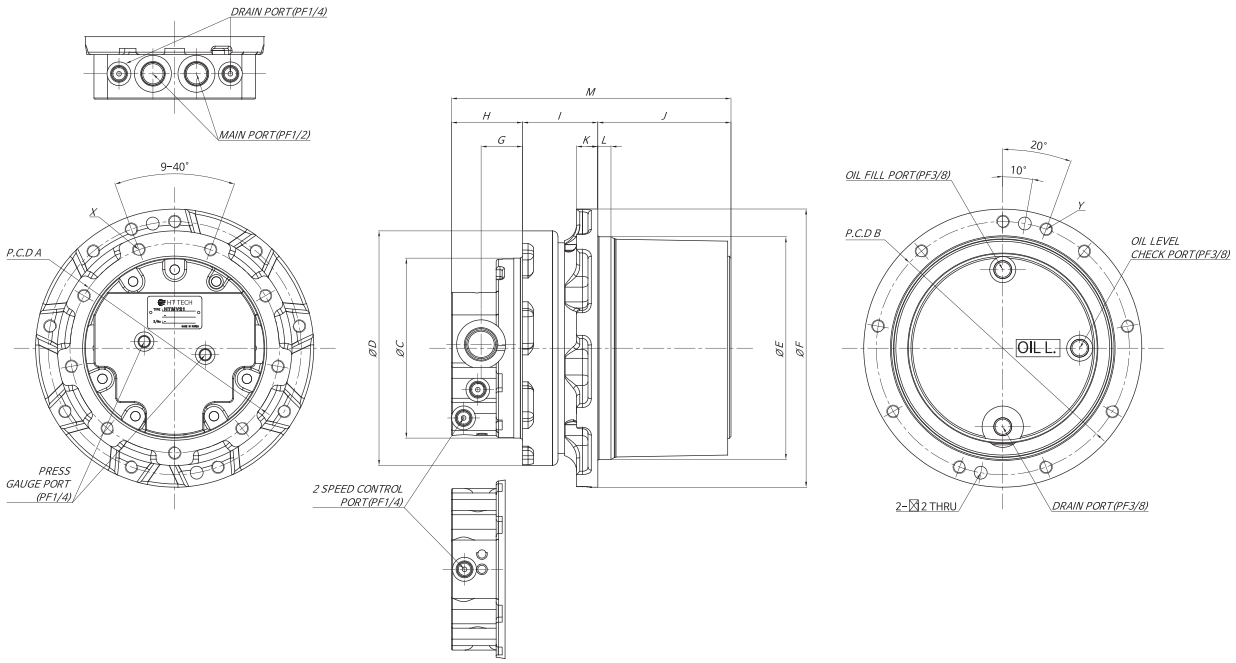
HTMV SERIES 16/21/23



Specification

Model	Max.output torque [Reducer]		Motor displacement		Gear ratio	Max.speed [Motor]		Max. flow	Nomal pressure **	Peak pressure	Mechanical braketorque		Automatic shift pressure	Relief valve	Mass	Typical vehicle application
	Low speed	High speed	Low speed	High speed		Low speed	High speed				Reducer	Motor				
	N.m		cc/rev.			rpm		L/min	bar	bar	N.m		bar		kg	ton
16	3018	1915	16.4	10.4	53.7	2134	3365	35	220	260	2631	49	×	×	38	3.5
21	3696	1969	21	11.2	53.7	1667	3125	35	220	260	2637	49	×	▲	38	3.5
23	4724	2955	23.5	14.7	53.7	1489	2381	35	240	285	2631	49	×	▲	38	3.5

▲ - Option × - Not available
* Fixed displacement
** Nominal pressure is the max. relief valve setting pressure



Dimensions

Model	P,C,D,A	P,C,D,B	ØC	ØD	ØE	ØF	G	H	I	J	K	L	M	X	Y	MAIN PORT
HTMV16	192	215	165	215	190	240	47.5	75.5	50	130.5	17	13	257.3	9-M12	9-M12	2-PF1/2
HTMV21	192	232	165	215	204	255	37	65	72	119	19.5	10	257.3	9-M12	9-M12	2-PF1/2
HTMV23	192	232	165	215	204	255	47.5	75.5	50	130.5	17	10	251.5	9-M12	9-M12	2-PF1/2