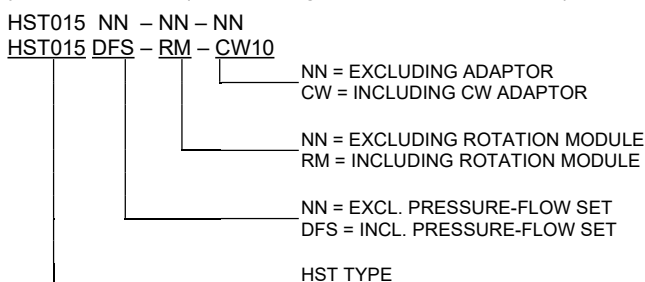


SAES HST Series Hydraulic Compactors
Technical Data (Update: April 2020)

type	Unit.	HST004.7	HST007HP	HST010HP	HST015	HST030	HST055	HST070	HST110	HST150
Machine class	ton	1,0 – 3,2	2 – 5	4,5 – 8	6 – 16	15 – 28	20 – 35	22 – 37	24 – 42	25 – 46
Adaptor connection (WIG)		CW00 CW0	CW0 CW10	CW0 CW10	CW10 CW20/30	CW20/30 CW40	CW40 CW45	CW40 CW45	CW40 CW45	CW40 CW45
Weight NN-NN-NN	kg	124	136	178	335	600	710	785	1230	1435
Weight DFS-NN-NN (basic)	kg	132	144	186	361	632	750	825	1270	1475
Weight DFS-RM-NN	kg	147	160	202	396	712	820	910	1350	1555
Weight DFS-RM-CW00	kg	164	-	-	-	-	-	-	-	-
Weight DFS-RM-CW0	kg	170	186	228	-	-	-	-	-	-
Weight DFS-RM-CW10	kg	-	212	254	420	-	-	-	-	-
Weight DFS-RM-CW0/CW10	kg	-	257	280	-	-	-	-	-	-
Weight DFS-RM-CW30	kg	-	-	-	508	792	-	-	-	-
Weight DFS-RM-CW10/CW30	kg	-	-	-	553	-	-	-	-	-
Weight DFS-RM-CW40	kg	-	-	-	-	-	916	1005	1450	1720
Weight DFS-RM-CW45	kg	-	-	-	-	-	1050	1140	1600	1870
Dynamic mass	kg	-	-	-	242	430	545	598	885	1120
Dynamic mass + CL	kg	-	-	-	427	650	765	820	1105	1340
Capacity std. HP hydromotor	cc	10	15	20	31	52	82	82	42 (2x)	52 (2x)
Max. motor power	kW	6	8	8	17	26	65	66	62	78
Centrifugal force	kN	12	23	35	50	95	155	205	240	330
Amplitude RM	mm	4,5	5,2	5,9	6,5	8,8	9,2	12,0	11,2	11,0
Amplitude RM + CL	mm	-	-	-	6,0	8,2	8,7	11,4	12,8	10,5
Frequency	rpm	2200-2600	2200-3000	2200-3000	2100-2600	2200-2500	2400-2900	2400-2900	2200-2600	2200-2600
Throttling size	Ømm	-	5,5	6,5	8,5	10,5	11	11,5	11	11
Setting data:										
Oil flow	l/min	20 – 30	25 – 40	25 – 40	55 – 85	100 – 131	170 – 210	175 – 215	170 – 210	200 – 260
Max. flow machine carrier ⁽¹⁾	l/min	40	55	55	175	175	210	215	210	280
Work pressure	bar	120 – 140	120 – 140	120 – 140	120 – 140	100 – 140	180 – 190	180 – 190	180 – 190	180 – 190
Max. pressure machine carrier ⁽¹⁾	bar	150	175	175	210	210	210	210	210	210
Max. return pressure	bar	6	6	6	8	10	10	10	10	10
Height NN	cm	39	39	39	61	70	78	78	79	87
Height RM	cm	41	41	41	64	73	81	81	82	90
Culvert (width x length)	cm	45 x 45	45 x 45	51 x 55	61 x 89	71 x 99	87 x 95	94 x 95	200 x 100	230 x 125
Base plate (width x length)	cm	45 x 45	45 x 45	51 x 45	61 x 76	71 x 85	87 x 75	94 x 75	200 x 100	230 x 125
Hole pattern base plate	cm	38 x 38	38 x 38	38 x 38	38 x 38	38 x 38	38 x 45	38 x 52	38x38 (2x)	38x38 (2x)
Diameter holes in pattern	cm	Ø 2,2	Ø 2,2	Ø 2,2	Ø 2,7	Ø 2,7	Ø 2,7	Ø 2,7	Ø 2,7	Ø 2,7
Hole pattern upper side, FRD..		F2	F2	F3	F6	F12/F19	F19	F19	N.V.T.	N.V.T.
Hose set std. - Press		14Sx1500	16Sx1500	16Sx1500	20Sx2000	25Sx2000	30Sx2500	30Sx2500	30Sx2500	30Sx2500
Hose set std. - Return		14Sx1500	20Sx1500	20Sx1500	25Sx2000	30Sx2000	38Sx2500	38Sx2500	38Sx2500	38Sx2500
Pile sheet clamp:										
Own weight	kg	-	-	-	160	160 / 350	350	350	350	350
Clamp force (250 bar)	kN	-	-	-	165	165 / 200	200	200	200	200

⁽¹⁾ The maximum flow- and pressure values only apply with a pressure-flow set (DFS) installed!

Type explanation (basic configuration = DFS-NN-NN):



Remarks:

- NN-NN: without rotating top plate, with hole pattern in upper frame (without adaptor plate)
- RM-NN: with rotating top plate (2 x 90°), mechanically free rotatable, with flat upper plate with hole pattern for adaptor plate installation (without adaptor plate)
- RM-CW: with rotating top plate (2 x 90°), mechanically free rotatable (with adaptor plate)
- DFS: pressure-flow set including hose set / with safety valve with built-in suction valve