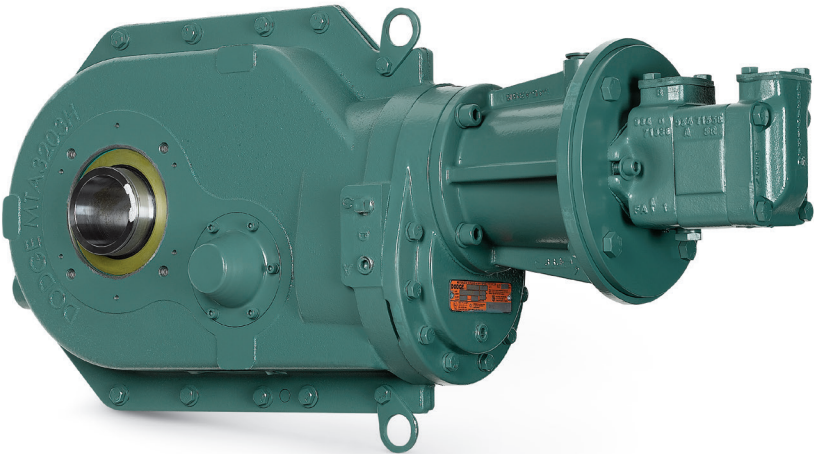




DODGE

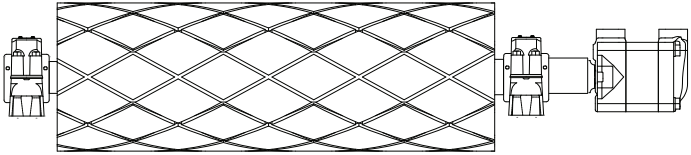
Hydraulic Motorized Torque-Arm II

Speed reducers

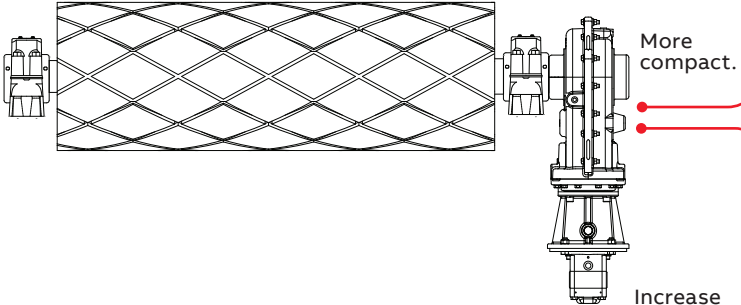


The compact, high torque, right angle design of the Hydraulic MTA allows for the use of a wider belt that can transport more material while maintaining the overall space constraints that limit the size of portable conveying equipment.

Existing solution
Limits belt width of drive package.

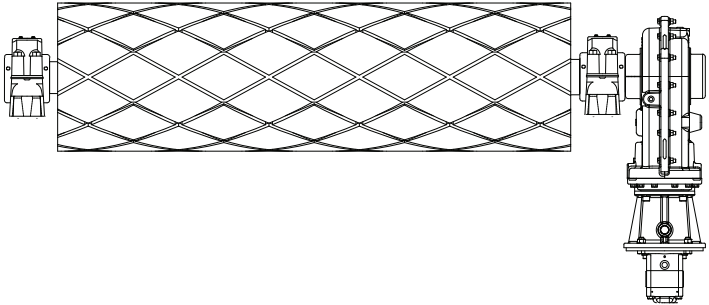


MTA II solution 1
Compact design allows for more space around drive package.

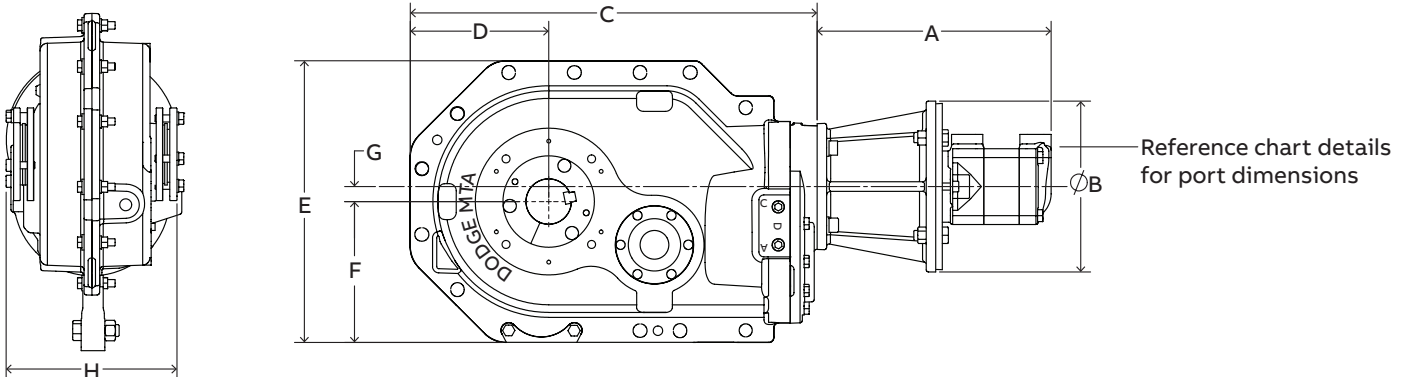


More compact.

MTA II solution 2
Maximize belt width by using the compact right angle hydraulic package.



Increase belt capacity.



Assembly part number	Reducer		Motor	Assembly Weight (without tierod) (lbs.)	Dimensions (in.)								Inlet and Outlet Ports
	Ratio	Weight (lbs.)			A	B	C	D	E	F	G	H	
M2H18THYD3B18	17.68	18	18	185	12.33	9.00	19.30	6.64	13.48	6.75	0.48	7.55	SAE 4 bolt flange, 0.75
M3H17THYD3B27	17.46	18	18	240	12.33	9.00	21.43	7.30	14.82	7.41	0.79	8.62	SAE 4 bolt flange, 0.75
M4H22THYD3B36	21.82	18	18	300	12.33	9.00	24.19	8.44	16.89	8.44	0.48	8.73	SAE 4 bolt flange, 0.75
M5H29THYD4C55	29.41	34	34	427	14.40	9.00	28.16	9.68	19.31	9.64	0.55	10.33	SAE 4 bolt flange, 1.00
M6H24THYD4D02	24.43	60	60	558	15.12	9.00	31.38	10.70	21.39	10.70	0.91	10.83	SAE 4 bolt flange, 1.25

Note: Refer to MTA dimension sheet for further details.

Accessories:

Use the same accessories per size as the regular MTA II reducers

Class 1 ratings (1.0 service factor)

Reducer Size	Continuous running torque (lb.-in.)	Peak running torque at max pressure (lb.-in.)	Class 1 Requirements	Output speed										
				20	25	30	35	40	45	50	55	60	65	
M2H18THYD3B18	6,500	8,063	Output hp (running)	2.5	3.2	3.8	4.5	5.1	5.7	6.4	7.0	7.6	8.3	
M3H17THYD3B27	10,321	13,687	Output hp (running)	4.5	5.6	6.8	7.9	9.0	10.1	11.3	12.4	13.5	14.6	
M4H22THYD3B36	16,696	22,688	Output hp (running)	7.0	8.7	10.5	12.2	13.9	15.7	17.4	19.2	20.9	22.7	
M5H29THYD4C55	30,146	37,229	Output hp (running)	11.9	14.9	17.8	20.8	23.8	26.8	29.7	32.7	35.7	38.7	
M6H24THYD4D02	40,000	54,793	Output hp (running)	15.6	19.5	23.4	27.2	31.1	35.0	38.9	42.8	46.7	50.6	

Reducer Size	Continuous running torque (lb.-in.)	Peak running torque at max pressure (lb.-in.)	Class 1 Requirements	Output speed								
				70	75	80	85	90	100	110	120	130
M2H18THYD3B18	6,500	8,063	Output hp (running)	8.9	9.6	10.2	10.8	11.5	12.7	14.0	15.3	16.6
M3H17THYD3B27	10,321	13,687	Output hp (running)	15.8	16.9	18.0	19.1	20.3	22.5	24.8		
M4H22THYD3B36	16,696	22,688	Output hp (running)	24.4	26.1	27.9	29.6					
M5H29THYD4C55	30,146	37,229	Output hp (running)	41.6	41.6	41.6						
M6H24THYD4D02	40,000	54,793	Output hp (running)	54.5	58.4	62.3						

Class 2 ratings (1.4 service factor)

Reducer Size	Continuous running torque (lb.-in.)	Peak running torque at max pressure (lb.-in.)	Class 2 Requirements	Output speed										
				20	25	30	35	40	45	50	55	60	65	
M2H18THYD3B18	6,500	8,063	Output hp (running)	1.8	2.3	2.7	3.2	3.6	4.1	4.5	5.0	5.5	5.9	
M3H17THYD3B27	10,321	13,687	Output hp (running)	3.2	4.0	4.8	5.6	6.4	7.2	8.0	8.8	9.6	10.5	
M4H22THYD3B36	16,696	22,688	Output hp (running)	5.0	6.2	7.5	8.7	10.0	11.2	12.4	13.7	14.9	16.2	
M5H29THYD4C55	30,146	37,229	Output hp (running)	8.5	10.6	12.7	14.9	17.0	19.1	21.2	23.4	25.5	27.6	
M6H24THYD4D02	40,000	54,793	Output hp (running)	11.1	13.9	16.7	19.5	22.2	25.0	27.8	30.6	33.4	36.1	

Reducer Size	Continuous running torque (lb.-in.)	Peak running torque at max pressure (lb.-in.)	Class 2 Requirements	Output speed								
				70	75	80	85	90	100	110	120	130
M2H18THYD3B18	6,500	8,063	Output hp (running)	6.4	6.8	7.3	7.7	8.2	9.1	10.0	10.9	11.8
M3H17THYD3B27	10,321	13,687	Output hp (running)	11.3	12.1	12.9	13.7	14.5	16.1	17.7		
M4H22THYD3B36	16,696	22,688	Output hp (running)	17.4	18.7	19.9	21.2					
M5H29THYD4C55	30,146	37,229	Output hp (running)	29.7	29.7	29.7						
M6H24THYD4D02	40,000	54,793	Output hp (running)	38.9	41.7	44.5						

