

| Indexing | | | | RAG and Evaluation pipeline times | | | | | | | | | |
|-------------------------------|------------|----------------|-------------|-----------------------------------|------------|-------|---------------|----------------------|---------------|----------------------|----------|-------------------|--|
| embedding_model | chunk_size | time (seconds) | time (min.) | embedding_model | chunk_size | top_k | RAG (seconds) | Evaluation (seconds) | RAG (minutes) | Evaluation (minutes) | Total | Total w/ Indexing | |
| all-MiniLM-L6-v2 | 64 | 23.3879 | 00:00:23 | all-MiniLM-L6-v2 | 64 | 1 | 115.0065 | 315.9625 | 00:01:55 | 00:05:15 | 00:07:10 | 00:07:33 | |
| all-MiniLM-L6-v2 | 128 | 16.7725 | 00:00:16 | | | 2 | 147.3299 | 397.3388 | 00:02:27 | 00:06:37 | 00:09:04 | 00:09:27 | |
| all-MiniLM-L6-v2 | 256 | 14.0144 | 00:00:14 | | | 3 | 155.9973 | 438.8168 | 00:02:35 | 00:07:18 | 00:09:53 | 00:10:16 | |
| msmarco-distilroberta-base-v2 | 64 | 36.6414 | 00:00:36 | all-MiniLM-L6-v2 | 128 | 1 | 127.4704 | 403.3983 | 00:02:07 | 00:06:43 | 00:08:50 | 00:09:06 | |
| msmarco-distilroberta-base-v2 | 128 | 28.5928 | 00:00:28 | | | 2 | 165.6365 | 495.9479 | 00:02:45 | 00:08:15 | 00:11:00 | 00:11:16 | |
| msmarco-distilroberta-base-v2 | 256 | 22.7719 | 00:00:22 | | | 3 | 175.42 | 486.2844 | 00:02:55 | 00:08:06 | 00:11:01 | 00:11:17 | |
| all-mpnet-base-v2 | 64 | 60.0775 | 00:01:00 | all-MiniLM-L6-v2 | 256 | 1 | 157.1702 | 447.0828 | 00:02:37 | 00:07:27 | 00:10:04 | 00:10:18 | |
| all-mpnet-base-v2 | 128 | 60.1837 | 00:01:00 | | | 2 | 181.2393 | 540.9429 | 00:03:01 | 00:09:00 | 00:12:01 | 00:12:15 | |
| all-mpnet-base-v2 | 256 | 33.1369 | 00:00:33 | | | 3 | 193.5456 | 608.0195 | 00:03:13 | 00:10:08 | 00:13:21 | 00:13:35 | |
| | | | | msmarco-distilroberta-base-v2 | 64 | 1 | 129.2953 | 342.0623 | 00:02:09 | 00:05:42 | 00:07:51 | 00:08:27 | |
| | | | | | | 2 | 147.8331 | 430.0561 | 00:02:27 | 00:07:10 | 00:09:37 | 00:10:13 | |
| | | | | | | 3 | 160.8634 | 477.4629 | 00:02:40 | 00:07:57 | 00:10:37 | 00:11:13 | |
| | | | | msmarco-distilroberta-base-v2 | 128 | 1 | 153.5109 | 447.5886 | 00:02:33 | 00:07:27 | 00:10:00 | 00:10:28 | |
| | | | | | | 2 | 179.9431 | 552.8577 | 00:02:59 | 00:09:12 | 00:12:11 | 00:12:39 | |
| | | | | | | 3 | 205.2158 | 537.9969 | 00:03:25 | 00:08:57 | 00:12:22 | 00:12:50 | |
| | | | | msmarco-distilroberta-base-v2 | 256 | 1 | 182.3774 | 544.4505 | 00:03:02 | 00:09:04 | 00:12:06 | 00:12:28 | |
| | | | | | | 2 | 197.1914 | 606.581 | 00:03:17 | 00:10:06 | 00:13:23 | 00:13:45 | |
| | | | | | | 3 | 212.8711 | 669.8011 | 00:03:32 | 00:11:09 | 00:14:41 | 00:15:03 | |
| | | | | all-mpnet-base-v2 | 64 | 1 | 132.3261 | 362.8426 | 00:02:12 | 00:06:02 | 00:08:14 | 00:09:14 | |
| | | | | | | 2 | 160.5959 | 486.2524 | 00:02:40 | 00:08:06 | 00:10:46 | 00:11:08 | |
| | | | | | | 3 | 184.6738 | 541.4629 | 00:03:04 | 00:09:01 | 00:12:05 | 00:12:27 | |
| | | | | all-mpnet-base-v2 | 128 | 1 | 190.0306 | 471.3811 | 00:02:40 | 00:07:51 | 00:10:31 | 00:11:31 | |
| | | | | | | 2 | 193.8441 | 585.5008 | 00:03:13 | 00:09:45 | 00:12:58 | 00:13:58 | |
| | | | | | | 3 | 216.95 | 635.0051 | 00:03:36 | 00:10:35 | 00:14:11 | 00:15:11 | |
| | | | | all-mpnet-base-v2 | 256 | 1 | 185.9622 | 562.9571 | 00:03:05 | 00:09:22 | 00:12:27 | 00:13:00 | |
| | | | | | | 2 | 214.15 | 663.0057 | 00:03:34 | 00:11:03 | 00:14:37 | 00:15:10 | |
| | | | | | | 3 | 231.9518 | 717.3625 | 00:03:51 | 00:11:57 | 00:15:48 | 00:16:21 | |

